

REPORT
OF THE
County Medical Officer of Health

For the Year ending December 31st, 1948

*To the County Health Committee of the County Council
of the County Palatine of Chester and to the Members
of the County Council.*



Digitized by the Internet Archive
in 2017 with funding from
Wellcome Library

<https://archive.org/details/b29104725>

INDEX

	PAGE
Ante-Natal Clinics	55
Ambulances	36
Area and Population	30
Artificial Sunlight	50, 58
Authorised Officers... .. .	28
Births	31
Blind, Welfare of the	71
Cancer	113
Centres, Welfare	56
Census, 1931	31
Clatterbridge (County) Hospital	74
Day Nurseries	29
Deaths	31
Dental Treatment	55
Food and Drugs Acts	62
Health Visitors	12
Home Nurses	22
Illegitimate Children	31
Infant Life Protection	54
Infantile Mortality	32
Infectious Diseases	33
Isolation Hospitals	34
Laboratory, County	46
Mary Dendy Homes	106
Maternity and Child Welfare	52
Maternity Hospitals	54
Maternal Mortality	54
Mental Deficiency	68
Midwives	26, 52
Milk (Special Designations) Orders	60
Ministry of Health Enquiries	118
Nursing Homes	53
Ophthalmia Neonatorum	53
Orthopædic Scheme... .. .	50, 58
Population	30
Puerperal Fever and Pyrexia	53
Sewerage and Sewage Disposal	115
Statistics, Tables of	120
Staff of Public Health Department	7
Still-births	31
Tuberculosis	40
Venereal Diseases	38
Water Supply	116
West Park (County) Hospital, Macelesfield	86
Wrenbury Hall	112
Zymotic Deaths	31

INTRODUCTION

*To the Chairman and Members
of the County Health Committee.*

Mr. Chairman, Ladies, and Gentlemen,

I have the honour to present to you my Annual Report on the health and sanitary circumstances of the Administrative County dealing with the year 1947.

You will note that the birth rate rose from 18.1 to 19.5, that the infantile mortality for the first time for many years was slightly higher than the average for the country as a whole, and that in the whole County there was only 1 maternal death caused by sepsis. This amazingly low death rate from puerperal sepsis reflects great credit on the Medical Practitioners and Midwives of Cheshire. The tuberculosis death rate is a new low record for the County. I attach no significance to the slight increase in infantile mortality from last year's low record.

During the year various schemes under the relevant sections of the National Health Service Act were prepared in the Department and submitted to the Minister. These schemes provided for a thorough and comprehensive service in every activity for which the County Council is responsible under the Act. Some of these services, such as the Care of Mothers and Young Children, Midwifery, Mental Deficiency and Health Visiting have been successfully operated by the Public Health Department for many years. Others, including Immunisation and Ambulance Services have been the responsibility of County District Councils, whilst Domiciliary Sick Nursing and Mental Diseases came within the activities of the County Health Committee for the first time. The section of the Act dealing with the After-Care of Sick Persons (particularly those suffering from tuberculosis) gives the Local Health Authority an opportunity to extend its activities over a very wide range, the limits of which cannot at present be exactly realised. The wording of the section is perhaps purposely vague, leaving the County Council a chance to develop its work to an extent hitherto not possible.

The County Council have now decided to entrust the County Health Committee with organising and providing the Welfare Services under the National Assistance Act for that portion of the population which can be termed "handicapped," namely, the Deaf, Blind, Crippled, Epileptic and

Elderly. The Health Committee is, therefore, responsible from July, 1948, for all personal Health Services except those provided at Hospitals and by General Medical Practitioners. One of the most important tasks will be the co-ordination of the work of the Local Health Authority with that of the Hospital Service on the one hand and General Medical Practitioners on the other.

The work of framing the details of Divisional Administration proceeded at the same time as the formulation of the National Health Service schemes. I must express my thanks to the representatives of the County Associations of Local Authorities for their co-operation and help in the preparation of this scheme, and particularly for the friendly spirit which they showed on all occasions.

Towards the end of the year 1947, a full-time Ophthalmologist and Ear, Nose and Throat Surgeon were appointed in connection with West Park Hospital, Macclesfield, their work being to conduct Specialist Clinics in various towns in the County in addition to performing clinical duties at West Park Hospital.

It is regretted that this is the last Annual Report which will contain the very valuable contributions made each year by the Medical Superintendents of Clatterbridge Hospital, West Park Hospital, and the Mary Dendy Homes. It is a matter of considerable regret to me personally that my association with these Hospitals as an Officer of the County Council has now ceased. I take great pleasure in acknowledging with gratitude the work which has been done by the Medical, Nursing and Lay Staffs at the County Hospitals, and in particular the Medical Superintendents, with whom my relations have always been most cordial. I wish to draw the particular attention of the Committee to the excellent record of the West Park Hospital Maternity Unit for 1947 (page 104) where 761 confinements took place without a maternal death, a particularly striking record when it is realised that a considerable number of women admitted for confinement were admitted for medical and obstetrical emergencies.

Arrangements were made during the year for the purchase of a Home for the Aged Blind. By the County Council's arrangements under the National Assistance Act this establishment will be administered by the County Welfare Committee.

The new County Children's Welfare Department took over the responsibility for the Child Life Protection Cases on 1st April, 1947, but the Health Visitors employed in the Public Health Department are still carrying out the work on behalf of the Children's Officer.

Developments during the year included the opening of The Cliffe Maternity Home, Wybunbury, and the purchase of premises in Trinity Road, Hoylake, as a Mother and Baby Home.

The Committee will be particularly interested in the figures for licences issued to producers of tuberculin tested milk. These increased by 100 in the course of the year.

It will also be noted with pleasure that the number of deaths from diphtheria throughout the whole County numbered only 5 for the entire year, a tribute to the valuable work of diphtheria immunisation carried out by the Medical Officers of Health of the County Districts.

New Child Welfare Centres were opened at Heald Green, Mellor, Rainow, Rode Heath, West Kirby and Willaston; additional Ante-Natal Clinics were established at Cheadle, Hazel Grove, and Northwich. The attention of the Committee is drawn to the figures in the section for Maternity and Child Welfare showing that in addition to the 809 mothers confined at Clatterbridge and 761 at West Park Hospital, Macclesfield, 1,715 mothers were helped by the Maternity and Child Welfare Committee to have confinements at either Hospitals or Maternity Homes.

I wish most sincerely to thank the members of the County Council for the support and help which they have afforded to me during the year. My thanks are also due to the Clerk of the County Council, the Heads of Departments and their Staffs for their co-operation, and I acknowledge with gratitude the work done and the loyalty shown by all members of the Public Health Department.

I beg to remain,

Your obedient Servant,

ARNOLD BROWN,

County Medical Officer.

10th December, 1948.

Staff of the Public Health Department

County Medical Officer of Health and Chief School Medical Officer.	... Arnold Brown, M.B., Ch.B., D.P.H.
Deputy County Medical Officer of Health	B. G. Gretton-Watson, M.A., M.B., B.Ch., D.P.H.
Lady Assistant Medical Officer	... Bertha Butters, M.B., Ch.B., D.P.H.
Senior Assistant School Medical Officer	... H. Craig, L.R.C.P. & S., L.R.F.P.S.
Assistant School Medical Officers	... P. X. Bermingham, M.B., Ch.B., D.P.H. Ena Cant, M.B., Ch.B. R. Cargill, M.B., Ch.B. R. J. Clark, M.B., Ch.B., D.P.H. Jennie D. Craig, M.B., Ch.B., D.P.H. J. S. B. Forde, M.R.C.S., L.R.C.P. Esme Grant, M.R.C.S., L.R.C.P. Christina Laing, M.B., Ch.B. Edith McKnight, M.B., Ch.B., D.P.H. Jessie M. R. Tough, M.B., Ch.B., D.P.H. Gladys E. Wilkinson, M.R.C.S., L.R.C.P.
Divisional Medical Officers—	
Altrincham	... D. Longbottom, M.B., Ch.B., D.P.H.
Bebington	D. O. Macdonald, M.B., Ch.B., D.P.H.
Cheadle and Wilmslow	D. G. Anderson, M.B., Ch.B., D.P.H.
Crewe	J. D. Ingram, M.D., D.P.H., D.M.R.E.
Deeside	J. Hatton, M.D., D.P.H.
Ellesmere Port	W. J. Birchall, M.B., M.R.C.S., L.R.C.P., D.P.H.
Hyde	F. W. C. Brown, M.D., D.P.H.
Macclesfield	H. R. Dugdale, M.B., Ch.B., D.P.H.
Mid-Cheshire	W. S. Slater, M.B., M.R.C.S., D.P.H.
Nantwich	A. L. Thorburn, M.D., B.A.O., D.P.H.
N.E. Cheshire	C. G. K. Thompson, M.B., Ch.B., D.P.H.
Runcorn	E. N. H. Gray, L.R.C.P. & S., L.M., D.P.H.
Sale and Lymm	E. H. Moore, B.Sc., M.B., M.R.C.S., L.R.C.P., D.P.H.
S.E. Cheshire	C. D. Cormac, M.B., Ch.B., D.P.H.
Stalybridge and Dukinfield	T. Holme, M.B., Ch.B., D.P.H.

County Analyst
Dental Surgeons

... S. Ernest Melling, F.I.C.
... H. R. Parry, L.D.S. (Senior).
E. J. Birmingham, L.D.S.
E. Bradley, L.D.S.
J. L. Dickson, L.D.S.
Isabel M. Downie, L.D.S.
G. H. Fenton, L.D.S.
H. Foulkes, L.D.S., R.C.S. (Eng.)
J. M. Gibbons, L.D.S.
E. C. Griffin, L.D.S.
A. F. Hely, L.D.S.
Dorothy Hamilton, L.D.S.
C. Q. Hird, B.D.S.
R. H. Hurst, L.D.S.
H. Jackson, L.D.S.
Lisbeth Kippen, L.D.S., D.P.D.
H. Lipkin, L.D.S.
F. E. Lockwood, L.D.S.
H. P. Meek, L.D.S.
E. S. Poulter, L.D.S.
H. W. S. Sheasby, L.D.S.
J. H. Maywhort, L.D.S. (Part-time).

Ophthalmic Surgeons

A. Holmes-Smith, M.A., M.B., B.Chir.,
D.O.M.S.
W. Dunlop Hamilton, M.B., B.Ch.,
D.O.M.S. (Part-time).
C. Jacobs, M.D., M.B., B.S.
(Part-time).
W. E. Lawson, M.B., Ch.B., D.P.H.
(Part-time).

Orthopaedic Surgeons
(Part-time)

J. K. Cameron, M.B., Ch.B., M.R.C.P.
D. D. Cranna, M.B., Ch.B., M.R.C.S.,
L.R.C.P.
H. Poston, M.B., B.Ch., B.A.O.
J. L. Mangan, F.R.C.S.I.
R. Roaf, M.A., F.R.C.S.
D. Wainwright, M.Ch. (Orth.), F.R.C.S.
J. D. Allan, M.D., F.R.C.P.

Paediatrician

Ear, Nose and Throat
Surgeons

E. M. Innes, B.Sc., M.B., Ch.B.,
F.R.C.S., D.L.O. (Part-time).
G. E. Archer, M.B., Ch.B., F.R.C.S.,
D.L.O. (Part-time).
H. V. Forster, M.B., Ch.B. (Part-time).
R. S. F. Martin, M.B., Ch.B., D.L.O.
(Part-time).

Chief Administrative Assistant ... V. O'Connor.

County Sanitary Officer ... F. Humphries.

Assistant County Sanitary
Inspector ... A. H. Moseley, A.M.I.S.E.

Superintendent Authorised
Officer (for Mental Health). ... J. Danby.

Superintendent of Home
Nursing. ... Miss H. Wakefield.

Assistant Supervisor of Mid-
wives ... Miss F. Jenkins.

CONSULTANTS FOR PUERPERAL CASES

- W. R. Addis, F.C.O.G., 2, St. John Street, Manchester 3.
(Tel. Blackfriars 0435)
6, Appleby Lodge, Wilmslow Road, Manchester 14.
(Tel. Rusholme 1907)
- C. Philip Brentnall, M.D., 14, St. John Street, Manchester 3.
(Tel. Blackfriars 9984)
"Riversdale," Mersey Road, Manchester 20.
(Tel. Didsbury 3762)
- M. M. Datnow, F.R.C.S., F.R.C.O.G., 38, Rodney Street, Liverpool, 1.
(Tel. Royal 2090)
Oldcastle, Malpas. (Tel. Malpas 77)
- Gordon Fitzgerald, M.D., Northern Assurance Buildings, Albert Square,
Manchester. (Tel. Blackfriars 6458)
Woodstock, Barlow Moor Road, Manchester 20.
(Tel. Didsbury 3350)
- E. A. Gerrard, M.D., 26, St. John Street, Manchester 3.
(Tel. Blackfriars 0079)
Hillbrow, West Didsbury, Manchester 18. (Tel. Didsbury 2681)
- T. Neville Hart, M.R.C.O.G., 66, Chorley New Road, Bolton.
(Tel. Bolton 1256)
- A. W. Holgate, F.R.C.S., 24, Curzon Park, Chester. (Tel. Chester 628)
- J. W. A. Hunter, M.D., 12, St. John Street, Manchester 3.
(Tel. Blackfriars 3287)
20, Rusholme Gardens, Whitworth Park, Manchester 4.
(Tel. Rusholme 2020)
- F. H. Lacey, M.D., 16, St. John Street, Manchester 3.
(Tel. Blackfriars 1500)
Thoresby, Ballbrook Avenue, Manchester 20.
(Tel. Didsbury 3092)
- Percy Malpas, F.R.C.S., 31, Rodney Street, Liverpool 1.
(Tel. Royal 8522)
Gateacre Hall, Liverpool. (Tel. Gateacre 1810)
- R. Newton, M.D., M.C.O.G., 11, St. John Street, Manchester 3.
(Tel. Blackfriars 2198)
Leaside, Wythenshawe Road, Sale. (Tel. Sale 4878)
- T. H. Richmond, F.R.C.S., 3, The Villas, London Road, Stoke-on
Trent. (Tel. Stoke-on-Trent 48341)
- C. E. B. Rickards, M.B., Ch.B., M.C.O.G., 14, St. John Street,
Manchester 3. (Tel. Blackfriars 4411)
"Lawnhurst," Wilmslow Road, Manchester 20.
(Tel. Didsbury 1812)
- A. Leyland Robinson, F.R.C.S., 63, Rodney Street, Liverpool 1.
(Tel. Royal 8061)
The Flaxyard, Little Neston. (Tel. Neston 420)
- W. E. C. Thomas, M.B., Ch.B., M.C.O.G., Bank House, Stalybridge.
(Tel. Stalybridge 2481)
- J. Gardiner Wigley, F.R.C.S., 2, Curzon Park, Chester.
(Tel. Chester 938)

CLATTERBRIDGE (COUNTY) GENERAL HOSPITAL (1947)

Medical Superintendent:

D. Wilkie, M.D., F.R.C.S. Ed. & Eng.

Deputy Medical Superintendent:

Susan Beatty, M.B., Ch.B., B.A.O.

Resident Medical Officers:

H. Hanson, M.B., Ch.B.

R. C. Davison, M.B., Ch.B.

M. H. Russell, M.B., Ch.B.

J. W. Maybury, M.B., Ch.B.

W. A. Thompson, M.B., Ch.B.

P. W. E. Sheldon, M.B., Ch.B.

(One vacancy).

Consulting Staff:

Surgeon—M. Silverstone, F.R.C.S.

Surgeon—J. Moroney, F.R.C.S.

Physician—L. T. Baker-Bates, M.D., M.R.C.P.

Physician—R. R. Hughes, M.D., M.R.C.P.

Orthopaedic—G. T. Partridge, F.R.C.S.

Gynaecologist—M. Datnow, F.R.C.S.

Ear, Nose and Throat—P. Garson, F.R.C.S.E., D.L.O.

Radiologist—R. Innes, M.B., D.R.M.E.

Tuberculosis Officer—D. W. Tough, M.B., Ch.B., D.P.H.

Anaesthetist—John Halton, M.B., Ch.B., D.A.

Dental Surgeon—H. Lipkin, L.D.S.

Dermatologist—R. Stopford Taylor, D.S.O., F.R.C.S.E.

Ophthalmic Surgeon—W. D. Hamilton, M.B., Ch.B.,
B.A.O.

Pathologist:

Hugh McLean, M.R.C.S., L.R.C.P., D.P.H.

Nursing and Administrative Staff:

Matron—Mrs. A. M. Holbert, S.R.N., S.C.M.

Assistant Matron—Miss D. Osborne, S.R.N., S.C.M.

Clerk and Steward—J. Collier, F.C.S.S.

Almoner—Mrs. D. Lucas.

WEST PARK (COUNTY) GENERAL HOSPITAL,
MACCLESFIELD (1947)

Medical Superintendent:

E. W. Thomas, M.B., F.R.F.P.S., F.R.C.S.E.

Medical Officers:

J. Hegarty, M.B., B.Ch., B.A.O.

J. Newcombe, M.B., B.S., M.R.C.S., L.R.C.P.

I. David, M.D. (Vienna).

Consulting Staff:

Surgeon—J. Grocott, F.R.C.S.

Physician—J. Parkinson, M.B., M.R.C.P., D.P.H.

Gynaecologist—C. E. B. Rickards, M.R.C.O.G.

Venereologist—A. W. Ritchie, M.B., Ch.B.

Orthopaedic Surgeon—D. Wainwright, M.Ch. (Orth.),
F.R.C.S.

Ophthalmic Surgeon—T. S. Harrison, M.R.C.S., L.R.C.P.

Aural Surgeon—L. D. Mercer, F.R.C.S., Ed.

Radiologist—J. Blair Hartley, M.B., B.S., D.M.R.E.,
M.D., F.F.R.

Physiotherapist—J. Cowan, M.B., Ch.B.

Psychiatrist—P. M. Crowe, M.B., Ch.B., D.P.M.

Physician for Children—T. N. Fisher, M.B., M.R.C.P.,
D.P.H.

Anaesthetist—W. Broadhurst, M.B., Ch.B.

Pathologist—H. Stafford, M.B., Ch.B., D.P.M.

Dermatologist—P. B. Mumford, M.D., F.R.C.P.

Dentist—G. Phillips.

Nursing Staff:

Matron—Miss Esther Jones, S.R.N., R.F.N., S.C.M.

Deputy Matron—Miss M. Condon, S.R.N., S.C.M.

Administrative Staff:

Clerk and Steward—Mr. G. P. Siggins, A.H.A.

Almoner—Miss L. M. Reddish.

HEALTH VISITORS & SCHOOL NURSES

(For districts in italics, M. & Y.C. work is not done, for districts in small capitals M. & Y.C. and school health work is not done, and for districts in italic capitals school health work is not done, by those named. Those marked † take only school health work, those marked ‡ only M. & Y.C. work, and those marked § only M. & Y.C. and school health work, for districts similarly marked).

	CIVIL PARISHES	CENTRES, CLINICS & DISPENSARIES
DISTRICT No. 1a. J. Briscoe, 8, Market Street, Hoylake (Tel. Hoylake 2322)	Hoylake-cum-West Kirby (North & Central Wards)	Welfare Centre, 8, Market Street, Hoylake <i>Thurs. p.m.</i> M.A. Clinic, 8, Market Street, Hoylake <i>Mon.—Fri. a.m.</i> Eye Clinic, 8, Market Street, Hoylake <i>3rd Mon. p.m.</i>
DISTRICT No. 1b. D. Christian, 85, Woodchurch Road, Birkenhead (Tel. Birkenhead 4702)	Grange Hoylake-cum-West Kirby (Park & South Wards)	Welfare Centre, Parish Hall, West Kirby <i>Fri., p.m.</i>
DISTRICT No. 2a. V. R. Blades,* 17, Leighton Road, Tranmere, Birkenhead (Tel. Birk. 1839)		Welfare Centre, Plymyard, Eastham <i>Mon. p.m.</i> (Tel. Eastham 1336) Welfare Centre, Victoria Hall, Hr. Bebington <i>Tues. p.m.</i> (Tel. R. F. 1527) Welfare Centre, New Ferry Park, <i>Wed. p.m.</i> (Tel. R. F. 1143) Welfare Centre, Council Offices, Bromborough <i>Thurs. p.m.</i> (Tel. Brom. 102) Welfare Centre, Mayer Hall, Bebington <i>Fri. p.m.</i> (Tel. R. F. 1440)
B. Shepherd* 14a, Mill Bank Road, Wallasey (Tel. Wall. 1060)	Bebington M.B.* (Woodhey & Hr. Bebington Wards)	M.A. Clinic, St. Mark's Parish Room, New Ferry <i>Mon., Wed., Thurs. p.m.</i>
E. Roberts,* 38, Tolleremache Road, Claughton, Birkenhead (Tel. Birk. 4005)	Bebington M.B. (Poulton Ward)	Ante & Post Natal Clinic, New Ferry Park <i>Mon. & Fri. o.m.</i> Welfare Centre, Women's Institute, Thornton <i>1st & 3rd Fri. p.m.</i> Hough
E. Nicholson,* Rotherwood (Flat 6), Mill Road, Hr. Bebington (Tel. Rock Ferry 2240)	Bebington M.B. (Bebington & Sunlight Wards)	Ante & Post Natal Clinic, New Ferry Park <i>Mon. & Fri. o.m.</i> Welfare Centre, Mayer Hall, Bebington <i>Fri. p.m.</i>
H. Deavall,* 171, Victoria Road, Wallasey (Tel. Wall. 4136)	Bebington M.B. (Eastham Ward)	Ante & Post Natal Clinic, New Ferry Park <i>Mon. & Fri. a.m.</i> Welfare Centre, Plymyard, Eastham <i>Mon. p.m.</i>
R. Abraham,* 21, Rock Park, Rock Ferry (Tel. R.F. 728)	Bebington M.B. (N. & S. Bromborough Wards)	Ante & Post Natal Clinic, New Ferry Park <i>Mon. & Fri. a.m.</i> Welfare Centre, Council Offices, Bromborough <i>Thurs. p.m.</i>
E. Wright* 539, Old Chester Road, Birkenhead	Bebington M.B. (Park & New Ferry Wards)	Ante & Post Natal Clinic, New Ferry Park <i>Mon. & Fri. o.m.</i> Welfare Centre, New Ferry Park <i>Wed. p.m. & 2nd Thurs. p.m.</i>
D. Bushell† 6, Brelade Road, Liverpool, 13.	†Visits Schools in Bebington M.B.	Welfare Centre, Victoria Hall, Hr. Bebington <i>Tues. p.m.</i>
*These Health Visitors also attend on rota the five other clinics listed opposite.		Eye Clinic, New Ferry Park <i>1st Sat. o.m.</i> Eye Clinic, St. Mark's Parish Room, New Ferry <i>Tues. o.m.</i> E.N.T. Clinic, New Ferry Park <i>Monthly Thurs. p.m.</i> Sun-Ray Clinic, New Ferry Park <i>Tues. & Fri. p.m.</i> Toddlers' Centre, New Ferry Park <i>Monthly (irreg.)</i>

	CIVIL PARISHES	CENTRES, CLINICS & DISPENSARIES
DISTRICT No. 2b. M. James, Darnley, Haddon Lane, Ness, Wirral (Tel. Burton 374).	Burton Capenhurst Ledsham Ness	Neston-cum-Parkgate Puddington Shotwick Willaston Woodbank
		Welfare Centre, Wesleyan Sunday School, Thurs. p.m. Neston School Clinic, Wesleyan Sunday School, Wed. a.m. Neston Welfare Centre, Red Cross Depot, Willaston 1st & 3rd Fri. p.m.
DISTRICT No. 2c. E. G. Sinden, Flat 5, Gayton Grange, Well Lane, Heswall	Caldy Frankby Greasby	Irby Pensby Thurstaston
		Welfare Centre, Village Hall, Irby Alt. Mon. p.m. Welfare Centre, Methodist Church Hall, Alt. Wed. p.m. Greasby
DISTRICT No. 2d. M. Okill, 241, Penshy Road, Heswall	Barnston Gayton Heswall-cum-Oldfield	Welfare Centre, Wesleyan Sunday School, Alt. Mon. p.m. Heswall. M.A. Clinic, Wesleyan Sunday School, Tues. p.m. Heswall. Eye Clinic, Wesleyan Sunday School, Heswall 2nd Fri. a.m.
DISTRICT No. 3a. A. Breakwell, 17, Lincoln Drive, Hoole, Chester	Childer Thornton Ince Ellesmere Port Elton Gt. Stanney Gt. Sutton Hooton	Little Stanney Little Sutton Stoke Thornton-le-Moors
M. B. Redfern,†* 29, Fern Road, Ellesmere Port (Tel. E. P. 146)	Ellesmere Port U.D. (Victoria & South Wards)‡	M.A. Clinic, York Road, Ellesmere Port Mon.—Fri. a.m. (Tel. E. Port 328) Eye Clinic, York Road, Ellesmere Port 2nd Mon. a.m. & p.m., 4th Mon. p.m. E.N.T. Clinic, York Road, Ellesmere Port Fortnightly intervals, Mon. a.m. & Tues. p.m.
C. G. McKee, †* 12, Thamesdale, Ellesmere Port	Ellesmere Port U.D. (N.E., N.W., Whitby, and Pool & Hooton (part) Wards)‡	Welfare Centre, York Road, Ellesmere Port Tues. & Fri. p.m. Ante Natal Clinic, York Road, Ellesmere Port Wed. p.m. & Fri. a.m.
M. L. Bate †* Waterdale, Chester Road, Ellesmere Port (Tel. E. P. 9)	Ellesmere Port U.D. (Grange & Stanney Wards)‡	Welfare Centre, York Road, Ellesmere Port Tues. & Fri. p.m. Ante Natal Clinic, York Road, Ellesmere Port Wed. p.m. & Fri. a.m.
A. Engstrom,†* 66, Queen Street, Ellesmere Port	Ellesmere Port U.D. (Gt. Sutton, L. Sutton, Ince, Childer Thornton and Pool & Hooton (part) Wards)‡	Welfare Centre, Railway Inn, Little Sutton Mon. p.m. Ante-Natal Clinic, York Road, Ellesmere Port Wed. p.m. & Fri. a.m. Ear Clinic, York Road, Ellesmere Port 2nd Thurs. p.m.
*These Health Visitors also attend on rota the other clinic opposite		
DISTRICT No. 3b. M. A. Smith, 69, Bouvrie Street, Chester (Tel. Chester 2716).	Aldford Buerston Chester Castle Churton Heath Claverton Eaton Eccleston	Huntington Lea Newbold Poulton Pulford Rowton Saighton
		M.A. Clinic, York Road, Ellesmere Port Mon.—Fri. a.m. Eye Clinic, York Road, Ellesmere Port 2nd Mon. a.m. and p.m. & 4th Mon. p.m. E.N.T. Clinic, York Road, Ellesmere Port Fortnightly intervals, Mon. a.m., Tues. p.m. Welfare Centre, 55, Hoole Road, Chester 2nd & 4th Wed. p.m.
DISTRICT No. 4a H. Marston, 23, Glan Aber Park, Chester (Tel. Chester 3052)	Christleton Great Boughton	Hoole U.D. Hoole Village Littleton
		Welfare Centre, 55, Hoole Road, Chester Tues., 1st Thurs., 2nd and 4th Wed. p.m. M.A. Clinic, 55, Hoole Road, Chester Mon.—Fri. a.m. Ante and Post Natal Clinic, 55, Hoole Road, 2nd and 4th Thurs. p.m. Chester Eye Clinic, 55, Hoole Road, Chester 4th Mon. a.m.
DISTRICT No. 4b E. Greene, Greysfield, 50a, Liverpool Road, Chester (Tel. Chester 1439)	Bache Backford Barrow Bridge Trafford Caughall Chorlton-by-Backford Croughton Dunham-on-the-Hill Gullden Sutton Hapsford	Lea-by-Backford Mickle Trafford Mollington Moston Picton Saughall Shotwick Park Upton Wervin Wimbolds Trafford
		Welfare Centre, Village Hall, Upton Thurs. p.m. Welfare Centre, Vernon Institute, Saughall 1st, 3rd & 5th Mon. p.m. Village Hall, Barrow 1st & 3rd Weds. p.m.

CIVIL PARISHES

CENTRES, CLINICS & DISPENSARIES

DISTRICT No. 5

M. Gourlay,
5, Sandown Terrace,
Chester
(Tel. Chester 1094)

Ashton Huxley
Beeston Iddinshall
Bruen Stapleford Kelsall
Burton-by-Tarvin Monksworth
Clotton Hoofield Pryor's Heys
Cotton Ahbotts Rushton
Cotton Edmunds Tarporley
Delamere Tarvin
Duddon Tilstone Fearnall
Eaton Tiverton
Foulk Stapleford Utkinton
Hatton Waverton
Hockenhull Willington
Horton-cum-Peel

Welfare Centre, Victory Hall, Tarporley.
2nd & 4th Thurs. p.m.
Welfare Centre, Parish Hall, Kelsall
1st & 3rd Tues. p.m.
School Clinic, Victory Hall, Tarporley.
Fri. a.m.

DISTRICT No. 6

D. Toft,
The Oaks Lodge,
Upton,
Chester
(Tel. Chester 2422)

Agden
Aldersey
Barton
Bickerton
Bickley
Bradley
Broxton
Burwardsley
Caldecott
Carden

Chidlow
Chorlton
Chowley
Church Shocklach
Churton-by-Al'fd Harthill
Ch'rtton-by-F'don Horton
Clutton Kinnerton
Coddington Kings Marsh
Crewe Larkton
Cuddington Macfen
Dodleston Malpas
Duckington Marlston
Edge Newton-by-
Edgerley Malpas
Egerton Newton-by-
Farndon Tattenhall
Golborne Bellow Oldcastle

Welfare Centre, Jubilee Hall Malpas
Alt. Mon. p.m.
School Clinic, Jubilee Hall, Malpas
Thurs. p.m.
School Clinic, School House, Tattenhall
Wed. p.m.
Welfare Centre, Barbour Inst., Tattenhall
2nd & 4th Mons. p.m.
Memorial Hall, Farndon
1st & 3rd Tues. p.m.
Overton Threapwood
Shocklach Oviatt Tilston-by-Malpas
Stockton Tushingham
Stretton Wigland
Tattenhall Wychough

DISTRICT No. 7a.

H. K. Coventry,
11, Weston Crescent,
Runcorn

Runcorn U.D.
(Mersey and Halton Wards)

Welfare Centre, 29, High Street, Runcorn
Wed. o.m. & p.m. (Tel. Runcorn 2449)
Ante and Post Natal Clinic, 29, High Street,
Thurs. o.m. & 4th Thurs. p.m. Runcorn

E. Briers,
17, Cornwall Avenue,
Runcorn

Runcorn U.D.
(Weston and Heath Wards)

Welfare Centre, 29, High Street, Runcorn
Wed. o.m. & p.m.
M. A. Clinic, 29, High Street, Runcorn
Thurs. p.m.
Eye Clinic, 29, High Street, Runcorn
2nd Tues. p.m.

M. Hopkins,
27, Halegate Road,
Widnes.

Runcorn U.D.
(Bridgewater, Central and
Newtown Wards)

Welfare Centre, 29, High Street, Runcorn
Wed. o.m.
M.A. Clinic, 29, High Street, Runcorn
Tues. a.m. & Fri. o.m. & p.m.

DISTRICT No. 7b.

S. E. Robinson,
23, Weston Crescent,
Runcorn

Aston
Daresbury
Dutton
Halton
Hatten
Moore
Norton
Preston Brook
Sutton
Walton
Whitley

Welfare Centre, 29, High Street, Runcorn
Wed. p.m. & 1st Mon. a.m.
M.A. Clinic, 29, High Street, Runcorn
Mon. p.m.
Ante & Post Natal Clinic, 29, High Street,
Thurs. a.m. & 4th Thurs. p.m. Runcorn
Eye Clinic, 29, High Street, Runcorn
2nd & 4th Tues. o.m.

DISTRICT No. 8.

B. Bird,
The Bungalow,
Chester Road,
Sutton Weaver,
Warrington

Alvanley
Frodsham
Helsby
Kingsley
Manley
Norley

M.A. Clinic, Trinity Church House,
Thurs. p.m. Frodsham
Welfare Centre, Trinity Church House,
Alt. Tues. p.m. Frodsham
Eye Clinic, Trinity Church House, Frodsham
3rd Mon. p.m.
E.N.T. Clinic, Trinity Church House, Frod-
Even months 1st Mon. a.m. sham
Welfare Centre, Cable Works, Helsby
Alt. Tues. p.m.

CIVIL PARISHES

CENTRES, CLINICS & DISPENSARIES

DISTRICT No. 9

W. Kidd,
Parkfield,
Middlewich Road,
Northwich
(Tel. Northwich 2186)

Acton
Anderton
Barnton
Comberbach
Crowton
Great Budworth
Little Leigh
Marbury
Marston
Weaverham

Welfare Centre, Parish Hall, Weaverham
Alt. Tues. p.m.
Welfare Centre, Parkfield, Middlewich Road,
Thurs. p.m. Northwich
M.A. Clinic, Methodist Church, Barnton
Wed. a.m. & 1st. and 3rd. Wed. p.m.
Welfare Centre, Meth. Church, Barnton
2nd & 4th Wed.
M.A. Clinic, Council School, Weaverham
Fri. p.m.
Paediatric Clinic, Parkfield, Northwich
4th Fri. a.m.

DISTRICT No. 10.

G. J. Dawson,
Darland House,
Winnington Hill,
Northwich
(Tel. Northwich 4643)

Allostock
Aston-by-Bud'th
Bexton,
Goostrev
Knutsford U.D.
Lostock Gralam
Mere
Nether Peover
Ollerton
Peover Inferior
Peover Superior
Pickmere
Plumley
Tabley Inferior
Tabley Superior
Toft
Twemlow
Wincham

M.A. Clinic, Mission Hall, Adams Hill,
Wed. a.m. Knutsford
Welfare Centre, Parkfield, Middlewich Road,
Thurs. p.m. Northwich
Welfare Centre, The Institute, Lower Peover,
2nd & 4th Mon. p.m.
Welfare Centre, Parish Room, Over Peover
1st & 3rd Mon. p.m.
Eye Clinic, Parkfield, Northwich
1st & 3rd Fri. a.m.
E.N.T. Clinic, Parkfield, Northwich
2nd Fri. a.m.

D. Cadogan,*†
Cherry Tree Cottage,
Brook Street,
Knutsford
(Tel. Knutsford 505).

Knutsford U.D.†
*District Nurse

Welfare Centre, Mission Hall, Adams Hill,
Knutsford
Alt. Wed. p.m.

DISTRICT No. 11.

A. McDonald,
Parkfield,
Middlewich Road,
Northwich

Northwich U.D.
(Witton and Northwich Wards)

Welfare Centre, Darland House, Northwich
Tues. p.m.
Ante-Natal Clinic, Parkfield, Northwich
2nd & 4th Mon. p.m.
Welfare Centre, Parkfield, Northwich
Thurs. p.m.

L. Scully,
Darland House,
Winnington Hill,
Northwich

Northwich U.D.
(Castle and Winnington Wards)

M.A. Clinic, Darland House, Northwich
Tues. & Fri. a.m.
Ante-Natal Clinic, Parkfield, Northwich
2nd & 4th Mon. p.m.
Welfare Centre, Darland House Northwich
Tues. p.m.

DISTRICT No. 12

E. Hayes,
Parkfield,
Middlewich Road,
Northwich

Cuddington
Hartford
Lach Dennis
Rudheath
Whatcroft

M.A. Clinic, Parkfield, Northwich
Mon., Wed., Fri., a.m.
Welfare Centre, Parkfield, Northwich
Thurs. p.m.
Welfare Centre, Meth. Chapel, Hartford
2nd & 4th Tues. p.m.
Ante-Natal Clinic, Parkfield, Northwich
2nd & 4th Mon. p.m.

DISTRICT No. 13a

G. W. Johnson,
Highfield,
Swanlow Lane,
Winsford

Winsford U.D.
(Vale Royal & Wharton Wards)
Darnhall
Davenham
Little Budworth
Oakmere
Marton
Moulton

Welfare Centre, 98, Weaver Street, Winsford
Fri. & 1st Thurs. p.m. (Tel. Winsford 2387)
Welfare Centre, Church Hall, Moulton
3rd Wed. p.m.
Welfare Centre, Methodist Church, Davenham
1st Mon. p.m.
Eye Clinic, 98, Weaver Street, Winsford
1st & 3rd Tues. a.m.

DISTRICT No. 13b.

L. Oliver,
Field View,
Rilshaw Lane,
Winsford

Winsford U.D.
(Gravel, Over & Swanlow
Wards)

Welfare Centre, 98, Weaver Street, Winsford
Fri. & 1st Thurs. p.m. (Tel. Winsford 2387)
M.A. Clinic, 98, Weaver Street, Winsford
Mon. o.m. Wed. & Fri. a.m.
Paediatric Clinic, 98, Weaver Street, Winsford
3rd Tues. p.m.
E.N.T. Clinic, 98, Weaver Street, Winsford
2nd Mon. a.m.

	CIVIL PARISHES	CENTRES, CLINICS & DISPENSARIES
DISTRICT No. 14. M. E. Fox, 55, Wheelock Street, Middlewich (Tel. Midd. 165)	Middlewich U.D. Bostock Byley Church Hulme	Welfare Centre, 55, Wheelock Street, Middlewich <i>Mon. p.m.</i> M.A. Clinic, 55, Wheelock Street, Middlewich <i>Mon. a.m., Wed. and Fri. p.m.</i> Eye Clinic, 55, Wheelock Street, Middlewich <i>3rd Tues. p.m.</i> E.N.T. Clinic, 55, Wheelock Street, Middlewich <i>Even months 4th Thurs. p.m.</i>
DISTRICT No. 15. C. Hopwood, The Dowery Barker Street, Nantwich (Tel. Nant. 5360)	Nantwich U.D. (Barony, Wellington and Willaston Wards) Alraham Aston Calveley Cholmondeston Church Minshull Henhull	Welfare Centre, The Dowery, Nantwich <i>Thurs. p.m.</i> M.A. Clinic, The Dowery, Nantwich <i>Mon.—Fri. a.m.</i> Eye Clinic, The Dowery, Nantwich <i>1st & 3rd Fri. p.m.</i>
DISTRICT No. 16a F. G. Kirkham, 6, Nixon's Row, Nantwich	Acton Austerson Baddiley Baddington Batherton Brindley Broomhall Bulkeley Bunbury Burland Cholmondeley Chorley Coole Pilate	Edleston Faddiley Flaughton Hurleston Marbury Norbury Peckforton Ridley Sound Spurstow Stapeley Stoke Wirswall Woodcote Wrenbury
DISTRICT No. 16b. D. Griffiths, The Gables, Audlem Crewe	Nantwich U.D. (Weaver Ward) Audlem Basford Blakenhall Bridgemere Buerton Checkley-cum- Wrinchill Chorlton Dodcott-cum- Wilkesley	Welfare Centre, Wesleyan Chapel, Audlem <i>1st and 3rd Tues. p.m.</i> Welfare Centre, Church Hall, Shavington <i>2nd & 4th Tues.</i>
DISTRICT No. 17a P. Percival, 3, Newton Terrace, St. Anne's Road, Middlewich	Barthomley Church Lawton	Welfare Centre, Yoxall Institute, Haslington <i>Alt. Tues. p.m.</i> Welfare Centre, Parish Hall, Odd Rode, <i>2nd & 4th Wed. p.m.</i> Welfare Centre, Methodist Sunday School, <i>1st & 3rd Wed. p.m.</i> Mow Cop Welfare Centre, The Institute, Rode Heath <i>1st & 3rd Mon. p.m.</i>
DISTRICT No. 17b E. Wilson, II 519, West Street, Crewe R. Walch, II Clifford House, Park Road, Willaston, Nantwich M. A. Rouen,* 47, Earle Street, Crewe E. Broom,* 10, Clifton Avenue, Crewe	Crewe M.B. (South District) Crewe M.B. (Central District) Willaston Crewe M.B. (East District) Crewe M.B. (North Central District)	Paediatric Clinic, Stalbridge Road, Crewe <i>1st Fri. p.m.</i> Paediatric Clinic, Ludford Street, Crewe <i>3rd Fri. p.m.</i>

CIVIL PARISHES		CENTRES CLINICS & DISPENSARIES
District No. 17b (cont.)		
J. S. Reid,* 130, Bedford Street, Crewe	Crewe M.B. (West & Coppenhall District)	E.N.T. Clinic, Ludford Street, Crewe 2nd Mon. p.m. Child Welfare Clinic, Ludford Street, Crewe Thurs. p.m. M.A. Clinic, Ludford Street, Crewe Mon. & Wed. a.m. Ante & Post Natal Clinic, Ludford Street, Wed. p.m. Crewe Eye Clinic, Ludford Street, Crewe Wed. a.m. & p.m. Child Welfare Clinic, Stalbridge Road, Crewe Mon. p.m. M.A. Clinic, Stalbridge Road, Crewe Tues. a.m.
*These Health Visitors also attend on rota the four other Clinics listed opposite.		
|| §These Health Visitors also attend on rota the two other Clinics listed opposite.		
DISTRICT No. 17c.		
M. Johnson. Anblecote, Audley Road, Alsager, Stoke-on-Trent	Alsager U.D.	Welfare Centre, Wesleyan Sunday School, Alt. Tues. p.m. Alsager M.A. Clinic, 15, Centre Court, Alsager Wed. a.m., Fri. p.m. E.N.T. Clinic, 15, Centre Court, Alsager 3rd Fri. a.m. Eye Clinic, 15, Centre Court, Alsager 4th Fri. a.m.
DISTRICT No. 18a.		
F. L. Govan, 29 Eagle Brow, Lymm, Warrington	Antrobus Appleton	Grappenhall Stretton
		Welfare Centre, Methodist Sunday School, Tues. p.m. Grappenhall
DISTRICT No. 18b.		
M. M. Trevarthen, 9, Canbrai Avenue, Warrington	Stockton Heath	Welfare Centre, 65, Whitefield Road, Stockton Mon. p.m. Heath M.A. Clinic, 65, Whitefield Road, Stockton Thurs. a.m. Heath E.N.T. Clinic, 65, Whitefield Road, Stockton 3rd Tues. a.m. Heath Eye Clinic, 65, Whitefield Road, Stockton 4th Tues. a.m. Heath
DISTRICT No. 19		
D. E. Lowey, 29 Eagle Brow, Lymm, Warrington (Tel. Lymm 277)	Lymm U.D Carrington High Legh	Partington Warburton
		Welfare Centre 29, Eagle Brow, Lymm Tues. p.m. Welfare Centre, St. Mary's Institute, 1st & 3rd Thurs p.m. Partington M.A. Clinic, 29, Eagle Brow, Lymm Mon.—Fri. a.m., 1st & 3rd Wed. p.m.
DISTRICT No. 20.		
E. Heywood,* 647, Altrincham Road, Northenden, Manchester	Sale M.B. (St. Martin's & Mersey Wards)	Welfare Centre, 70, Chapel Road, Sale Thurs. & 2nd Wed. p.m. M.A. Clinic, 70, Chapel Road, Sale Mon., Tues. & Wed. a.m.
H. Wingfield,* 70, Chapel Road, Sale, Manchester (Tel. Sale 1329)	Sale M.B. (St. Anne's & Sale Moor Wards)	Welfare Centre, 70, Chapel Road, Sale 2nd Wed. p.m. M.A. Clinic, 70, Chapel Road, Sale Tues. & Wed. a.m. Paediatric Clinic, 70, Chapel Road, Sale 2nd Mon. p.m. E.N.T. Clinic, 70, Chapel Road, Sale 1st Tues. a.m. Welfare Centre, Community Centre, Sale Thurs. p.m. Moor Sun-ray Clinic, 70, Chapel Road, Sale Mon. & Fri. p.m.
W. Heron,* 53, Hawthorn Road, Manchester 21	Sale M.B. (St. Paul's & St. John's Wards)	Welfare Centre, 70, Chapel Road, Sale Tues. & 2nd Wed. p.m. M.A. Clinic, 70, Chapel Road, Sale Mon., Thurs. & Fri. a.m. Ante-Natal Clinic, 70, Chapel Road, Sale 1st & 3rd Wed. p.m. Sun-ray Clinic, 70, Chapel Road, Sale 2nd Mon. p.m.
B. Cunliffe,* 76, Harboro' Road, Sale	Sale M.B. (St. Mary's & Brooklands Wards)	Welfare Centre, 70, Chapel Street, Sale Tues. & Thurs. p.m. M.A. Clinic, 70, Chapel Road, Sale Thurs. & Fri. a.m. Ante & Post Natal Clinic, 70, Chapel Road, 1st, 3rd & 4th Wed pm. Sale
*These Health Visitors also attend on rota the other Clinic opposite.		Eye Clinic, 70, Chapel Road Sale 1st & 3rd Mon. a.m.

	CIVIL PARISHES	CENTRES, CLINICS & DISPENSARIES
DISTRICT No. 21a E. Edwards, 34 Avon Road, Hale, Altrincham	Bowdon U.D. Hale U.D., Ashley	Ringway Rostherne Tatton
		Welfare Centre, Methodist Schoolroom, Alt. Thurs. p.m. Bowdon M.A. Clinic 1, Hawthorn Road, Hale Mon. & Fri. p.m. Wed. a.m. Eye Clinic, 1, Hawthorn Road, Hale 2nd & 4th Mon. a.m. Methodist School, Oak Road, Hale Wed. p.m.
DISTRICT No. 21b L. E. H. Tripp, Sampford Brett, Wainwright Road, Altrincham (Tel. Altrincham 1884)	Altrincham M.B. Agden Bollington	Dunham Massey Millington
		M.A. Clinic, 12, The Mount, Altrincham Mon., Tues., Fri. a.m. (Tel. Alt. 1733) School Clinic, 121, Park Road, Timperley Wed. a.m. (Tel. Alt. 6639) E.N.T. Clinic, 12, The Mount, Altrincham 1st Thurs. a.m. Paediatric Clinic, 12, The Mount, Altrincham 2nd Thurs. p.m.
D. Whitworth,† 6, Wilton Street, Prestwich, Lancs. (Tel. Pre. 1185)	Altrincham M.B.†	Welfare Centre, 121, Park Road, Timperley Tues. & Thurs. a.m. & p.m. Ante-Natal Clinic, 121, Park Road, Timperley 1st & 3rd Mon. a.m.
		Welfare Centre, 12, The Mount, Altrincham Mon. p.m., Wed. a.m. & p.m. Ante & Post-Natal Clinic, 12, The Mount, 2nd, 3rd & 4th Tues. p.m. Altrincham
DISTRICT No. 22a M. Bell, 3, Alma Lane, Wilmslow (Tel. Wilmslow 2635)	Alderley Edge U.D. Wilmslow U.D. (Hough Ward)	Chorley Great Warford Marshall Mobberley
		Welfare Centre, 3, Alma Lane, Wilmslow Thurs. p.m. Welfare Centre, Victory Hall, Mobberley 1st & 3rd Tues. p.m. Welfare Centre, Church Institute, Alderley Fri. p.m. Edge E.N.T. Clinic, 3, Alma Lane, Wilmslow Even months 2nd Tues. a.m.
DISTRICT No. 22b B. E. Crosby, 27, Earle Road, Bramhall	Wilmslow U.D. (Styal and Handforth Wards) Hazel Grove and Bramhall U.D. (Woodford and Bramhall Wards)	Welfare Centre, Methodist Sunday School, 1st & 3rd Mon. p.m. Bramhall Welfare Centre, Conserv. Women's Club, 2nd and 4th Mon. p.m. Handforth
DISTRICT No. 22c D. M. Bowers, 1, Albany Road, Wilmslow	Wilmslow U.D. (Dean Row, Fulshaw and Morley Wards)	Welfare Centre, 3, Alma Lane, Wilmslow Thurs. p.m. M.A. Clinic, 3, Alma Lane, Wilmslow Tues. & Thurs. a.m. Eye Clinic, 3, Alma Lane, Wilmslow 1st Mon. p.m. Paediatric Clinic, 3, Alma Lane, Wilmslow 2nd Tues. p.m.
DISTRICT No. 23 M. Spencer, 2, Elm Drive, Macclesfield	MACCLESFIELD M.B. Bosley Chelford Eaton Gawsworth Henbury Hulme Marton	Mottram-St.- Andrew North Rode Nether Alderley Over Alderley Prestbury Siddington Somerford Somerford Booths Snelson Swettenham Withington
M. D. Watson,§ 2, Elm Drive, Macclesfield (Tel. Macc. 2105)	Macclesfield M.B. (Central District)§	Welfare Centre, Wellington Road, Bollington 1st & 3rd Wed. p.m. Welfare Centre, Gt. King Street, Macclesfield (Tel. Macc. 3407) 1st, 2nd, 3rd and 5th Wed. a.m., Mon. p.m. Ante-Natal Clinic, Gt. King Street, Maccles- 1st & 3rd Wed. p.m. field Paediatric Clinic, Gt. King Street, Maccles- 4th Wed. p.m. field

CIVIL PARISHES

CENTRES, CLINICS & DISPENSARIES

District No. 23—cont. F. M. Yates, § Moorlands, H Illins Road, Macclesfield (Tel. Macc. 2663)	Macclesfield M.B. (South-West District) §	Welfare Centre, Sanders Square, Macclesfield <i>Thurs. & Fri. p.m.</i> (Tel. Macc. 3600) Ante-Natal Clinic, Sanders Square, Macclesfield <i>4th Wed. p.m.</i> School Clinic, Sanders Square, Macclesfield <i>Mon. & Thurs. a.m.</i>
A. Grills, § Springfield (Flat 3), Byron's Lane, Macclesfield	Macclesfield M.B. (North-East District) §	Welfare Centre, Hurdsfield House, Macclesfield <i>Thurs. p.m., 4th Wed. o.m.</i> (Tel. Macc. 3282) Ante-Natal Clinic, Hurdsfield House, Macclesfield <i>2nd Wed. p.m.</i>
T. Martin, § 27, Victoria Road, Macclesfield	Macclesfield M.B. (North-West District) §	Welfare Centre, Gt. King St., Macclesfield <i>1st, 2nd, 3rd & 5th Wed. o.m., Mon. p.m.</i> Paediatric Clinic, Gt. King St., Macclesfield <i>2nd Wed. p.m.</i> M.A. Clinic, Pierce Street, Macclesfield (Tel. Macc. 3053) <i>Tues. & Fri. a.m., Mon. & Thurs. p.m.</i> Eye Clinic, Pierce Street, Macclesfield <i>Thurs. o.m.</i> E.N.T. Clinic, Pierce Street, Macclesfield <i>1st Fri. o.m.</i>
N. R. Williams, § Ivy Cottage, Snelson, Clifford, Crewe	Macclesfield M.B. (South-East District) §	Welfare Centre, Hurdsfield House, Macclesfield <i>Thurs. p.m.</i> Ante-Natal Clinic, Hurdsfield House, Macclesfield <i>2nd Wed. p.m.</i> M.A. Clinic, Pierce Street, Macclesfield <i>Tues., Wed. & Fri. a.m.</i>
DISTRICT No. 24 L. Jacks, 19, George Street, Elworth, Sandbach	Sandbach U.D. Brereton Arclid Elton Betchton Hassall Bradwall Smallwood Tetton	Welfare Centre, Marriott House, Sandbach <i>Tues. p.m.</i> M.A. Clinic, Marriott House, Sandbach <i>Wed. and Fri. p.m.</i> Eye Clinic, Marriott House, Sandbach <i>3rd & 4th Wed. o.m.</i> E.N.T. Clinic, Marriott House, Sandbach <i>4th Fri. n.m.</i> Welfare Centre, 12, West Street, Congleton <i>Mon. p.m.</i> Ante-Natal Clinic, 12, West Street, Congleton <i>2nd & 4th Thurs. p.m.</i>
DISTRICT No. 25 G. F. Finger, 12, West Street, Congleton (Tel. Congleton 169)	CONGLETON M.B. Moreton-cum-Alcumlow Newbold Astbury	Welfare Centre, 12, West Street, Congleton <i>Mon. p.m.</i> Ante & Post Natal Clinic, 12, West Street, Congleton <i>2nd & 4th Thurs., 1st Tues. p.m.</i> Paediatric Clinic, 12, West Street, Congleton <i>3rd Wed. p.m.</i>
M. Palin, † Margot, Hind Heath Road, Wheelock, Sandbach	Congleton M.B. †	M.A. Clinic, Park Street, Congleton <i>Mon.-Fri. a.m.</i> Eye Clinic, Park Street, Congleton <i>Even months 2nd Wed. a.m.</i> E.N.T. Clinic, Park Street, Congleton <i>Even months 4th Tues. o.m.</i>
DISTRICT No. 26a M. B. Batty, 14, Parwood Court, Manchester, 20	Cheadle and Gatley U.D. (Cheadle Hulme Wards)	M.A. Clinic, All Saints' Parish Room, Cheadle <i>Wed. p.m., Fri. n.m.</i> Hulme Welfare Centre, All Saints' Parish Room, <i>Alt. Tues. p.m.</i> Cheadle Hulme Welfare Centre, Mission Hall, Adswold <i>1st & 3rd Mon. p.m.</i> Ante-Natal Clinic, Cong. Church Room, <i>Fri. p.m.</i> Cheadle
DISTRICT No. 26b. E. Hardy, 4, Bird Hall Avenue, Cheadle Hulme, Stockport	Cheadle and Gatley U.D. (Cheadle Ward)	M.A. Clinic, Ashfield Road School, Cheadle <i>Mon., Wed. and Fri. o.m.</i> Welfare Centre, Congregational Church Room, <i>Tues. p.m.</i> Cheadle E.N.T. Clinic, Ashfield Road School, Cheadle <i>Even months 3rd Mon. p.m.</i> Paediatric Clinic, Cong. Church Room, <i>4th Tues. p.m.</i> Cheadle

CIVIL PARISHES

CENTRES, CLINICS & DISPENSARIES

DISTRICT No. 26c

N. Heenan,
146, Edgeley Road,
Cheadle Heath,
Stockport

Cheadle and Gatley U.D.
(Gatley & Heald Green Wards)

Welfare Centre, Methodist Church, Heald Green
1st & 3rd Thurs. p.m.
Ante-Natal Clinic, Congregational Church
Fri. p.m. Room, Cheadle

DISTRICT No. 27.

G. M. Bullough,
5, Seymour Road,
Mile End,
Stockport
(Tel. Stock. 4378)

Hazel Grove and Bramhall U.D.
(North & East Wards)

Welfare Centre, 253, London Road, Hazel Grove
Thurs. p.m.
M.A. Clinic, 253, London Road, Hazel Grove
Tues. a.m., Fri. p.m.
Ante-Natal Clinic, 253, London Road, Hazel Grove
Mon. p.m.
Eye Clinic, 253, London Road, Hazel Grove
Even months 1st Wed. a.m., & odd months
2nd Wed. p.m.
E.N.T. Clinic, 253, London Road, Hazel Grove
Even months, 3rd Thurs. a.m.
Paediatric Clinic, 253, London Road, Hazel Grove
4th Tues. p.m.

DISTRICT No. 28.

M. R. Adamson,
34, Swanscoe Avenue,
West Bollington
Macclesfield

Bollington U.D. Macclesfield
Hurdsheld Forest
Kettleshulme Rainow
Lyme Handley Sutton
Pott Shrigley Wildboarclough
Wincle

Welfare Centre, Wellington Road, Bollington
2nd & 4th Thurs., 1st & 3rd Wed. p.m.
M.A. Clinic, Wellington Road, Bollington
Tues. a.m.
Welfare Centre, Lane Ends Club, Sutton
2nd & 4th Wed. p.m.
Eye Clinic, Wellington Road, Bollington
Odd months 2nd Wed. a.m.
E.N.T. Clinic, Wellington Road, Bollington
Even months 3rd Wed. a.m.

DISTRICT No. 29a.

S. Morris,
100, Wellington Road North,
Stockport

Bredbury and Romiley U.D.
(Bredbury Ward)

Welfare Centre, Lower Bent's Lane, Bredbury
Tues. a.m. and p.m.
M.A. Clinic, Lower Bent's Lane, Bredbury
Fri. a.m.

DISTRICT No. 29b

M. Wilkinson,
5, Portland Place,
Mottram Road,
Stalybridge

Bredbury and Romiley U.D.
(Romiley and Compstall Wards)
STALYBRIDGE M.B.

Welfare Centre, Leyfield Avenue, Romiley
Thurs. p.m.
M.A. Clinic, Leyfield Avenue, Romiley
Mon. p.m. and Wed. p.m.

S. Watson, †*
4, Hartshead Avenue,
Stalybridge

Stalybridge M.B.
(Lancashire & Dukinfield
Wards)†

Welfare Centre, Mechanics' Inst., Stalybridge
Tues. & Wed. p.m. (Tel. Stal. 2304)
Ante & Post Natal Clinic, Mechanics' Inst.,
Alt. Thurs. p.m. Stalybridge

E. Hanner, †*
17, Cranworth Street,
Stalybridge

Stalybridge M.B.
(Staly and Millbrook
Wards)†

Welfare Centre, Mechanics' Inst., Stalybridge
Tues. & Wed. p.m.
Welfare Centre, Millbrook, Stalybridge
Alt. Mon. p.m.
Ante & Post Natal Clinic, Mechanics' Inst.,
Alt. Thurs. p.m. Stalybridge

V. Wolstenholme, †
Thornbank,
Benches Lane,
Chisworth,
Broadbottom,
Manchester

Stalybridge M.B.†

M.A. Clinic, Mechanics' Inst., Stalybridge
Mon., Tues., Thurs., Fri. a.m.

*These Health Visitors also take on rota the other
Clinic opposite

M.A. Clinic, Mechanics' Inst., Stalybridge
Wed. a.m.

	CIVIL PARISHES	CENTRES, CLINICS & DISPENSARIES
DISTRICT No. 30 E. Ollerenshaw, 159, Talbot Road, Hyde (Tel. Hyde 806)	DUKINFIELD M.B. (Central & West Wards)	Welfare Centre, 212 Astley Street, Dukinfield <i>Wed. and Thurs. a.m. and p.m.</i> (Tel. Ashton 1689) Paediatric Clinic, 212, Astley Street, Dukinfield <i>2nd Fri. p.m.</i>
H. M. Thomas,† 2, St. Luke's Crescent, Dukinfield	Dukinfield M.B. (Central & West Wards)†	M.A. Clinic, King Street, Dukinfield (Tel. Ashton 2261) <i>Tues., a.m., Thurs. & Fri. p.m.</i> Eye Clinic, King Street, Dukinfield <i>4th Mon. a.m.</i> E.N.T. Clinic King Street, Dukinfield <i>4th Mon. p.m.</i>
F. Spencer,* 10, Allan Road, Hyde *Part-time	Dukinfield M.B. (East Ward)	M.A. Clinic, King Street, Dukinfield <i>Mon. & Wed. a.m.</i>
DISTRICT No. 31. D. Wood, 8, Marina Drive, Rose Hill, Marple, Stockport	HYDE M.B. Longdendale U.D. Tintwistle R.D.	Welfare Centre, St. Mary's Sunday School, <i>1st. & 3rd. Thurs. p.m.</i> Hollingworth M.A. Clinic, Council School, Hollingworth <i>Tues. p.m.</i> Christ Church School, Tintwistle <i>2nd & 4th Thurs. p.m.</i>
I. Burrill,*§ Woodhaven, Woodend Lane, Hyde (Tel. Hyde 739)	Hyde M.B. (Codley Ward)§	Welfare Centre, Parsonage Street, Hyde <i>Wed. & Thurs. p.m.</i> Ante-Natal Clinic, Parsonage Street, Hyde <i>Mon. p.m.</i> Paediatric Clinic, Parsonage Street, Hyde <i>1st Tues. p.m.</i>
F. Lonsdale,*§ Woodhaven, Woodend Lane, Hyde (Tel. Hyde 139)	Hyde M.B. (Newton Ward)§	Welfare Centre, Parsonage Street, Hyde <i>Wed. p.m.</i> Welfare Centre, Bayley Hall, Hyde <i>Mon. p.m.</i> Paediatric Centre, Bayley Hall, Hyde <i>Alt. months 3rd Tues. p.m.</i>
L. Smith,*§ 241, Cheetham Hill Rd., Dukinfield (Tel. Ashton 1031)	Hyde M.B. (Werneth Ward)§	Welfare Centre, Parsonage Street, Hyde <i>Thurs. p.m.</i> Welfare Centre, Bayley Hall, Hyde <i>Fri. p.m.</i> Paediatric Clinic, Bayley Hall, Hyde <i>Alt. months 3rd Tues. p.m.</i>
*These Health Visitors also attend on rota the two other Clinics opposite. There is also a part-time trained Nurse.		M.A. Clinic, Reform Club, Hyde <i>Mon.—Fri. a.m.</i> Eye Clinic, Reform Club, Hyde <i>Tues. & 1st Thurs. a.m.</i>
DISTRICT No. 32a. S. Dickson, Bute House, Marple Bridge, Stockport (Tel. Marple 177)	Marple U.D. (Ludworth, Mellor & North Wards)	Welfare Centre, Parish Hall, Marple <i>Wed. p.m.</i> Welfare Centre, Methodist Sunday School, <i>2nd & 4th Thurs. p.m.</i> Marple Bridge Welfare Centre, Methodist Church, Mellor <i>1st & 3rd Thurs. p.m.</i>
DISTRICT No. 32b. B. Brewster, Spout House Farm, Strines, Stockport	Marple U.D. (Cent. & South Wards) Disley R.D.	Welfare Centre, Parish Hall, Marple <i>Wed. p.m.</i> Welfare Centre, Hartley House, High Lane <i>Alt. Tues. p.m.</i> Welfare Centre, Gleneil House, Disley <i>Alt. Tues. p.m.</i> M.A. Clinic, Parish Hall, Marple <i>Wed. a.m.</i> Ante-Natal Clinic, 253, London Rd., Hazel <i>Mon. p.m.</i> Grove
DISTRICT No. 33. F. E. Kilbourn, Edendale, Buxton Road, Newtown, New Mills, Stockport	Adlington Poynton	Welfare Centre, Park Lane, Poynton <i>1st & 3rd Thurs.</i> M.A. Clinic, Park Lane, Poynton <i>Tues. p.m.</i>

HOME NURSES

<i>Distri. t</i>	<i>Nurse</i>	<i>Address</i>	<i>Tel. No.</i>	
Acton	C. Carroll	The Grove, Nantwiche	Nantwiche	5571
Adlington	A. M. Kirkwood	Sunshine Cottage, Butley Lane, Adlington	Prestbury	8360
Alderley	E. Gernall	Nurse's Cottage, Monksheath, Chelford	Chelford	822
Alderley Edge	M. M. Hatton	Holly Croft, Row of Trees, Alderley Edge	Alderley Edge	3364
Aldford	F. V. Wells	Nurse's Cottage, Aldford	Aldford	37
Alsager	E. Weatherall	27, Cresswellshawe Road, Alsager	Alsager	67
Altrincham	D. Kershaw	61, Harcourt Road, Altrineham	Altrineham	2550
	W. M. Barber	53, Oxford Road, Altrineham	Altrineham	0138
	L. M. Heaton	28, Westgate, Hale		
	E. Moores	Kilrea, Market St., Altrincham	Altrineham	2051
	E. Rall	43, Albert Road, Hale	Altrineham	2706
Ashton	M. Ashbrook	Distriet Nurse's Home, Smithy Lane, Mouldsworth	Manley	268
Ashton-on-Mersey	M. A. Smith	12, Friar's Road, Sale	Sale	6861
Astbury	V. Spencer	Black & White Cottage, Astbury, Congleton	Congleton	451
Audlem	C. Jones	Station Road, Audlem	Audlem	313
Barnston	A. M. Jones	Watmough, Pensby Road, Thingwall	Irby	1496
Barnton	M. A. Higgs	5, Cross Street, Barnton	Northwiche	4080
Barrow	G. Jones	Minniffordd, High Street, Tarvin	Tarvin	240
	B. Walker	Minniffordd, High Street, Tarvin	Tarvin	240
	L. Cullum	Springfield, Spital Road, Bromborough	Bromborough	1071
Bickerton	E. Downham	Nurse's Bungalow, Harthill	Broxton	31
Bollington	A. Barlow	13, Waterhouse Avenue, Bollington, Macclesfield	Bollington	3179
	B. Pugh	13, Waterhouse Avenue, Bollington, Macclesfield	Bollington	3179
	N. D. Entwistle	81, Aek Lane, Bramhall	Bramhall	2377
Bredbury	M. C. Hallett	Gresford, Moor Lane, Woodford	Bramhall	1012
	M. M. Farrall	13, George Lane, Bredbury	Woodley	2754
	E. Dickens	13, George Lane, Bredbury	Woodley	2754
	E. H. McGlynn	24, Belvedere Drive, Bredbury		
Bromborough	F. Baughan	27, Queensbury Avenue, Brom- borough	Bromborough	1037
	A. Thompson (Part-time Asst.)	41, Heygarth Road, Eastham		
Buglawton	M. S. Bowman	4, High Lowe Avenue, Buglawton, Congleton	Congleton	444
Bunbury	E. C. Hurst	Coniston, Bunbury, Tarporley	Bunbury	367
Burton	M. Jones	Pear Tree Cottage, Burton, Wirral	Burton	230
Castle	E. Cotterill	37, Park Street, Northwiche	Northwiche	4041
Cheadle	M. P. Watson	6, Waldon Avenue, Cheadle	Gatley	3904
	H. Lambert	6, Waldon Avenue, Cheadle	Gatley	3904
Cheadle	C. Maher	58, Ladybridge Road, Cheadle Hulme	Cheadle	
Hulme			Hulme	261
Chelford	J. Hughes	Church House, Chelford	Chelford	14
Cholmondeley	M. Brocklehurst	Nurse's Cottage, Bickley Moss, Whitchurch	Cholmond- eley	268
Combermere	H. Carter	1, Council Houses, Newhall Lane, Aston, Nantwiche	Aston (Nantwiche)	286
Congleton	M. A. Bibby	5, Townsend Road, Congleton		
Crewe	C. Moss	5, Tynedale Avenue, Crewe	Crewe	3947
Crewe	E. Heap	225, Wheelman Road, Crewe	Crewe	3163

HOME NURSES (contd.)

<i>District</i>	<i>Nurse</i>	<i>Address</i>	<i>Tel. No.</i>	
Daresbury	G. Roberts	Delph Cottage, Daresbury	Moore	266
Davenham	M. Buckley	315, London Road, Davenham, Northwich	Northwich	3027
Delamere	D. E. Joseph	Wayside, Cotebrook, Tarporley	Little Budworth	91
Disley	A. Rodgers	Grenaghan, Hollinwood Road, Disley	Disley	298
Doddington	M. A. Edwards	2, Back Lane, Walgherton, Nantwich	Wybunbury	45
Dodleston	M. E. Pilliner	The Cottage, Dodleston, Chester	Kinnerton	264
Dukinfield	E. M. Ambler	15, Bater Street, Dukinfield		
	M. W. Stratton	76, Hope Street, Dukinfield		
Dunham	W. Lewis	Thornlea, Station Road, Partington	Irlam	264
Massey				
Ellesmere	M. I. Raby	12, Thamesdale, Whitby, Wirral		
Port				
Farndon	L. Hill	High Street, Farndon	Farndon	18
Frodsham	M. Willis	10, Kingsway, Frodsham	Frodsham	2109
	C. L. Young	10, Kingsway, Frodsham	Frodsham	2109
Gawsworth	A. Bowyer	5, Wardle Crescent, Gawsworth	Macclesfield	3329
Goostrey	G. Magee	Booth Bank Road, Goostrey	Holmes Chapel	3244
Grappenhall	P. M. Baker	30, George's Crescent, Grappenhall	Grappenhall	275
Great	D. Sherratt	Rose Bank, Marbury Lane, Comberbach	Comberbach	79
Budworth				
Hale Barns	L. Saunders	380, Hale Road, Hale Barns	Ringway	4113
Halton	G. M. Williams	47, Main Street, Halton, Runcorn	Runcorn	2597
Handforth	M. E. Bailey	Oak Brow Cottage, Styal, Handforth	Wilmslow	2738
Hartford	D. Farman	9, Manor Street, Greenbank, Northwich	Northwich	4028
Haslington	E. M. Hanna	33, Cartwright Avenue, Haslington	Crewe	2693
Hazel Grove	C. Pelling	9, Bean Leach Road, Hazel Grove	Gt. Moor	2292
	D. Austin	9, Bean Leach Road, Hazel Grove	Gt. Moor	2292
Heald Green	F. A. Jones	29, Outwood Drive, Heald Green	Gatley	2592
Helsby	N. Stewart	1, Lower Robin Hood Lane, Helsby	Helsby	143
Heswall	A. Goodman	1, Shrewsbury Road, Heswall	Heswall	710
Higher	A. Garbutt	216, Higher Bebington Road, Higher Bebington, Wirral	R. Ferry	840
Bebington				
Higher	E. I. Griffiths	2, Symondely Av., Sutton Lane Ends, Macclesfield	Sutton	203
Sutton				
High Lane	F. Boast	25, Parkside Close, High Lane, Stockport	Disley	78
Hollingworth	B. Furness	207, Gt. Norbury Street, Hyde		
Holmes	L. B. Blunsum	Lynwood, London Road, Holmes Chapel	H. Chapel	2226
Chapel				
Hoylake	L. Hughes	28, Alderley Road, Hoylake		
Hyde	G. McClean	17, Henry Street, Hyde	Hyde	488
	H. Sutton	17, Henry Street, Hyde	Hyde	488
Ince	E. Parker	Hall Lodge, Wimbolds Trafford, Chester	Mickle Trafford	318

HOME NURSES (contd.)

<i>District</i>	<i>Nurse</i>	<i>Address</i>	<i>Tel. No.</i>	
Irby	G. Wotton	Irby Hill Farm, Mill Hill, Road, Irby	Irby	1752
Knutsford	D. Cadogan	Cherry Tree Cottage, Brook Street, Knutsford	Knutsford	505
	M. Owen	1, Racefield Road, Knutsford	Knutsford	504
Little Leigh	M. Hodgson	Easingwold, Smithy Lane, Little Leigh	Comberbach	282
Little Sutton	E. Pickering Jones	2, Greenfield Road, Little Sutton	Hooton	3279
Lostock Gralam	M. Morris	87, Manchester Road, Lostock Gralam	Northwich	3046
Lymm	C. Cahill	27, Rectory Lane, Lymm	Lymm	116
Macclesfield	H. M. Davies	11, Northgate Avenue, Maccles- field	Maccles- field	2169
	B. Scragg	57, Bond Street, Macclesfield	Macclesfield	2841
	R. Walpole	11, Northgate Av., Macclesfield	Macclesfield	2169
Malpas	L. Powell	Hawthorn Cottage, Church Rd., Malpas	Malpas	96
Marple	J. Banks	178, Stockport Road, Marple	Marple	361
Marple Bridge	N. Greenleaf	The Cottage, Lower Fold, Marple Bridge	Marple	166
Marston	E. Davies	Brackley, Pickmere Lane, Pickmere	Pickmere	42
Mere	V. A. Atkinson	Mere Heath Lane, Mere, Knutsford	Knutsford	508
Middlewich	E. M. Adamson	7, King Edward St., Middlewich	Middlewich	151
	G. M. Benger	7, King Edward St., Middlewich	Middlewich	151
Mobberley	D. H. Moss	18, Edenfield Av., Mobberley	Mobberley	3132
Mossley	D. H. Wright	Ewan Rigg, Giants Wood, Hulme Walfield, Congleton		
Mottram	I. M. Huyton	25, Stockport Road, Mottram, Manchester		
Moulton	V. R. Watts	11, Regent Street, Moulton, Northwich	Winsford	2346
Nantwich	E. Larnach	1, Wellington Road, Nantwich	Nantwich	5294
	M. Mansfield	1, Wellington Road, Nantwich	Nantwich	5294
Neston	M. E. Cottrell	Noyna, Burton Road, Neston	Neston	1126
Norley	I. E. Belsham	Nurse's Bungalow, Crabmill Lane, Norley	Kingsley	265
Odd Rode	C. Evans	The Haven, Lawton Avenue, Lawton, Stoke-on-Trent	Kids Grove	17
Port Sunlight	N. I. Margerison	73, Bolton Road, Port Sunlight		
Poynton	W. Wareing	49, London Road N., Poynton	Poynton	2137
Prestbury	M. A. Wright	7, Bollinside, Prestbury	Prestbury	8464
Rainow	E. Lythgoe	Oakwood, Chapel Lane, Rainow	Bollington	2184
Romiley	F. W. Gowan	178, Compstall Road, Romiley	Marple	1347
Runcorn	E. Booth	4, Halton View, Weston, Runcorn	Runcorn	2342
	F. Fowles	26, Hazel Avenue, Runcorn	Runcorn	2849
	F. M. Jones	123, Greenway Road, Runcorn	Runcorn	2763
Sale	E. Dunn	40, Wardle Road, Sale	Sale	7291
	E. M. Newbegin	War Memorial Hospital, Charlton Drive, Sale	Sale	3596
Sandbach	E. M. Deane	5, Elworth Street, Sandbach	Sandbach	256
	M. Ralphs	5, Elworth Street, Sandbach	Sandbach	256
Sandiway	G. Evans	The Cottage, Glebe Road, Cuddington, Nr. Northwich	Sandiway	252

HOME NURSES (contd.)

<i>District</i>	<i>Nurse</i>	<i>Address</i>	<i>Tel. No.</i>	
Saughall	J. O. Gallagher	Meadow View, Church Road, Great Saughall, nr. Chester	Saughall	55
Shavington	W. Denison	Sundour, Park Estate, Shavington, nr. Crewe	Crewe	7234
Stalybridge	H. Nobles	56, Brushes Road, Stalybridge	Stalybridge	2437
	E. H. Slater	295, Huddersfield Road, Stalybridge	Stalybridge	2448
	E. Garside	Spring Bank Cottage, Kay Street, Stalybridge		
Stapeley	G. Lomas	41, London Road, Stapeley	Nantwich	5570
Stockton Heath	J. Farquhar	9, Martoun Road, Stockton Heath		
Stretton	E. M. Reed	Hillcrest, Hatton Lane, Stretton	Noreott Brook	279
Tarporley	A. Smart	10, Victoria Street, Tarporley		
Tattenhall	M. Jenkinson	2, Rosemary Row, Tattenhall	Tattenhall	113
Tilston	N. Priest	Fern Lea, Tilston, Malpas	Tilston	249
Timperley	J. Ferguson	*Garslade, Gaskell Road, Altrincham	Altrincham	2188
	R. Miller	26, Grove Lane, Timperley	Ringway	3495
	A. Whittaker	26, Grove Lane, Timperley	Ringway	3495
	J. Clegg	26, Marina Drive, Upton Heath, Chester		
Vicars Cross	L. Crawford	86, Faulkner Street, Hoole		
Weaverham	M. Evans	49, Wallerscote Road, Weaver- ham, Northwich	Weaverham	116
West Kirby	J. Howes	131, Banks Road, West Kirby	Hoylelake	4988
Wheelock	E. A. Mitham	639, Crewe Road, Wheelock, Sandbach	Sandbach	281
Willaston (Wirral)	G. Lloyd	Grey Cottage, Willaston, Wirral	Willaston	112
Willington	F. Gavin	9, Carter Avenue, Kelsall	Kelsall	286
Wilmslow	M. Dixon	17, Bourne Street, Wilmslow	Wilmslow	2615
Winnington	A. E. Walters	The Ley, Winnington, Northwich	Northwich	4529
Winsford	I. E. Bremner	92, Weaver Street, Winsford	Winsford	2228
	M. Rawlinson	92, Weaver Street, Winsford	Winsford	2228
	C. M. Edwards	92, Weaver Street, Winsford	Winsford	2228
Wistaston	S. G. Black	31, Coppice Road, Willaston, Nantwich	Crewe	7109
Witton	F. Saunders	127, Victoria Road, Northwich		
Worleston	S. A. G. Lett	Dairy Lane Cottage, Worleston, Nantwich	Nantwich	5357

Headquarters Staff*Assistant Superintendent of Home Nursing—*

I. N. Vaughan Kents Bank, Hartford, Northwich Northwich 4528

Nurses—

G. Davies

Relief

E. Mason 20, Berwyn Drive, Heswall Heswall 1304
H. E. Unwin 136a, Buxton Road, Macclesfield Macclesfield 4196

COUNTY MIDWIVES

No.	Name	Address	Telephone
1	E. M. Lowe	Glentworth, Birkenhead Road, Hoylake	Hoylake 3084
2	E. Jemmett	58, Gresford Avenue, West Kirby	
4	M. Boothroyd	20, Larchwood Drive, Woodhey, Bebington	Rock Ferry 2303
5			
6	M. Uytendhal	19, Bolton Road East, New Ferry	Rock Ferry 2301
7	M. E. Wright	Fernbank, 4, Bromborough Road, Bebington	Rock Ferry 40
8	R. Baines	Sunnymede, Liverpool Road, Neston	Neston 325
9	L. M. Bradshaw	Newlands, Berwick Gardens, Little Sutton	Hooton 2138
10	M. H. Bendell	14, Queen's Avenue, Ellesmere Port	E. Port 1982
11	V. E. Corson	Dornby, Wilkinson Street, Ellesmere Port	E. Port 1466
12	E. Evans,	85, Grace Road, Ellesmere Port	E. Port 1188
13	A. E. Williams	6, York Road, Ellesmere Port	E. Port 329
14	E. E. West	20, Halkyn Road, Chester	Chester 2274
15	E. McAllister	73, Green Lane, Chester	Christleton 377
16	I. B. Jones	18, Bache Avenue, Upton	Chester 1097
17	E. A. Cooke	13, Waterloo Road, Runcorn	Runcorn 2623
17a	L. Wellock	37, Latham Avenue, Runcorn	Runcorn 2872
18	G. Minshall	20, Leinster Street, Runcorn	Runcorn 2798
19	P. Noon	6, Wicksten Drive, Runcorn	Runcorn 2556
20	B. Smith	34, Russell Road, Runcorn	Runcorn 2013
21	J. Elliott	3, Clarence Road, Grappenhall	Grappenhall 384
22	A. J. Carroll	1, Stetchworth Road, Walton, Warrington	St'kton Heath 611
23	N. Jones	71, East Avenue, Rudheath, Northwich	Northwich 3020
23a	E. Sherratt	Cartmel, London Road, Northwich	Northwich 2771
24	A. Orme	95, Victoria Road, Northwich	Northwich 3025
25	M. Court	117, Delamere Street, Over, Winsford	Winsford 2311
26	A. E. Hough	Beaumont, St. Ann's Road, Middlewich	Middlewich 1677
27	E. A. Bimson	20, Gatefield Street, Crewe	Crewe 2239
27a	S. A. McKenna	79, Derrington Avenue, Crewe	Crewe 3345
28	D. Broad	234, Hungerford Road, Crewe	Crewe 2495
28a			
29	K. Beech	75, Minshull New Road, Crewe	Crewe 2826
29a	B. J. Blatter	59, Richard Street, Crewe	
30	E. Wilkinson	54, Derrington Avenue, Crewe	Crewe 3110
31	E. G. Williams	282, Broad Street, Crewe	Crewe 2666
31a	M. Wilson	154, Holland Street, Crewe	Crewe 2875
33	E. Jones	12, Well Lane, Alsager	Alsager 223
34	J. Pike	96, Booth's Hill Road, Lymm	Lymm 725
36	I. E. Thompson	6, Lansdowne Road, Sale	Sale 1140
37	H. Gilbody	192, Northenden Road, Sale Moor	Sale 4313
38	D. Lindley	65, Derbyshire Road South, Sale	Sale 4383
39	K. McSweeney	27, Glebelands Road, Sale	Sale 1842
40	A. Whittle	220, Manchester Rd., Broadheath, Altrincham	Altrincham 1484
41			
43	M. A. Fittes	Dunham Woodhouses, Dunham Massey	Altrincham 0056
44	L. Starkey	1, Bancroft Road, Hale	Ringway 4653
45	D. Harper	Cranford, Bradwall Road, Sandbach	Sandbach 273
46	A. A. Rowley	51, Swan Street, Congleton	Congleton 430
47	R. H. Frost	Brook Bank, Townsend Road, Congleton	Congleton 429
48	M. A. Lane	23, Park Road, Congleton	Congleton 442
49	C. Bayliss	48, St. David's Road, Cheadle	Gatley 3797
49a	F. Bradley	12, Lorna Road, Cheadle Hulme	Che. Hulme 820
50	F. W. Hampson	335, London Road, Hazel Grove	Great Moor 3131
51	S. P. Faulkner	99, Hawthorn Street, Wilmslow	Wilmslow 2717
52	B. J. Whittaker	12, Garden Street, Macclesfield	Macclesfield 3766
53	E. E. Hancell	64, High Street, Macclesfield	Macclesfield 4344
54	G. H. Robinson	249, Peter Street, Macclesfield	Macclesfield 3321

COUNTY MIDWIVES (contd.)

No.	Name	Address	Telephone
55	E. Fairclough	19, Nicholson Avenue, Macclesfield —	Macclesfield 3322
56	D. Tomlinson	7, Glegg Street, Macclesfield — —	Macclesfield 2073
57	A. D. Hall	47, Taylor Street, Hollingworth —	Mottram 214
59	N. Robinson	6, Acres Lane, Stalybridge — —	Stalybridge 2821
60	F. Dent	Plas-y-Garth, Wakefield Road, Stalybridge	Stalybridge 2281
62	A. Lees	90, Astley Street, Dukinfield — —	Ashton 1073
63	A. E. Marten	218, Birch Lane, Dukinfield — —	Stalybridge 2443
64	L. Kitchen	7, Elm Grove, Hyde — — —	Hyde 789
65	L. Sambrook	57, Woodfield Avenue, Hyde — —	Hyde 786
66	K. A. Johnson	11, Shaw Hall Avenue, Hyde	Hyde 1160
66a	M. P. Schofield	Woodhaven, Woodend Lane, Hyde —	Hyde 739
<hr/>			
—	M. Kilner (Relief)	c/o Hey, Hyde Brook, Mottram, — — — Manchester	Mottram 233
—	M. Beatty (Relief)	c/o 24, Nicholas Street, Chester	

COUNTY DENTAL NURSES (6)

D. Babington	211, Fog Lane, Didsbury, Levenshulme, Manchester.
D. Comyn	Spring Villa, Upton Park, Chester.
H. Howarth	700 Borough Road, Birkenhead
M. M. Ramsbottom	9, Albert Road, Cheadle Hulme, Stockport
G. Rees	46, George's Crescent, Grappenhall, Warrington.
E. Toft	Durlston, Grove Road, Mollington, Chester.

COUNTY DENTAL ATTENDANTS (17)

M. Aspden	27, Bramhall Park Road, Bramhall, Stockport.
J. Bartley	27, Tarvin Road, Chester.
E. Billington	Clovelly, Hungerford Road, Crewe
D. Fellowes	30, Raby Drive, Moreton, Wirral.
B. Forsyth	Dental Clinic, Ludford Street, Crewe
S. H. Gratton	School Clinic, Market Place, Hyde
E. Halligan	28, Nelson Street, Crewe
M. B. Jewison	42, Foxhall Road, Timperley.
A. Kealey	234, London Road, Northwich
M. Lavey	1, Hawthorn Grove, Manchester Road, Ashton-under-Lyne.
L. D. Rees	Dental Clinic, Pierce Street, Macclesfield
W. A. Rees	6, Melrose Avenue, Brooklands, Sale
K. M. Shaw	School Clinic, Park Street, Congleton
D. Smith	59, Hoole Road, Chester.
E. M. Taylor	11, Beech Street, Middlewich.
M. Watkin	36, Pownall Street, Altrincham.
S. M. Yates	10, Kingsway, Davenport, Stockport.

AUTHORISED OFFICERS FOR MENTAL HEALTH.

No. and District.	Name.	Office.	Residence.
1 Wirral	E. M. Harbrow	218, Bebington Road, Bebington (Tel. RockFerry 1155)	Eastfield, Meols Drive, Hoylake (Tel. Hoylake 3071).
2 West	L. A. R. Kingaby	11, Pickering Street, Hoole (Tel. Chester 2767)	15, Durban Avenue, Christleton. Chester (Tel. Christleton 113).
3 Runcorn	F. Sterry	District Offices, Waterloo Road, Runcorn (Tel. Runcorn 2608)	12, Weston Crescent, Runcorn (Tel. Runcorn 2426)
4 Mid-Cheshire	E. Platt	Brunner Guildhall, High Street, Winsford (Tel. Winsford 3346)	Eskdale, Chester Road, Winsford (Tel. Winsford 3352)
5 Nantwich	F. H. Mills	14, Baker Street, Nantwich (Tel. Nantwich 5545)	Trelawne, Newhall, Nantwich (Tel. Aston Nantwich 217).
6 Crewe & Sandbach	R. E. Broach	1, Gatefield Street, Crewe (Tel. Crewe 2478)	180, Crewe Road, Alsager (Tel. Alsager 174)
7 Altrincham & Sale	W. H. Driver	1, Claremont Road, Sale (Tel. Sale 2305)	32, Sefton Road, Sale (Tel. Sale 3408).
8 Bucklow & Wilmslow	R. Dixon	Bexton Road, Knutsford (Tel. Knutsford 506)	18, Stanley Road, Knutsford (Tel. Knutsford 506).
9 Macclesfield & Congleton	L. W. Lyon	10, Waterloo Street, W., Macclesfield (Tel. Macclesfield 2474)	Ainsdale, Gawsworth Road, Maccles- field (Tel. Macclesfield 2976).
10 North-East	C. G. Owens	District Offices, Shaw Heath, Stockport (Tel. Stockport 4422)	Consiton, Goyt Crescent, Brinnington, Stockport (Tel. Stockport 3145).
11 Hyde & Stalybridge	J. Thompson	99, Grosvenor Street, Stalybridge (Tel. Stalybridge 2786)	28, Pickford Lane, Dukinfield

DAY NURSERIES.

Altrincham M.B.	1, Gaskell Road (Tel. Altrincham 3621).
Bebington M.B.	New Ferry Road, New Ferry (Tel. Rock Ferry 1588).
	The Bradmoor, Bromborough (Tel. Bromborough 1381).
Sale M.B.	Harley Road (Tel. Sale 4627).
Congleton M.B.	Bradshaw House, Lawton Street (Tel. Congleton 282).
Dukinfield M.B.	Dewsnap Lane (Tel. Ashton-u-Lyne 3136).
Macclesfield M.B.	South Park, Poplar Road (Tel. Macclesfield 3751). 1, Glegg Street (Tel. Macclesfield 2813).
Bollington U.D.	Buntings Field, Wellington Road (Tel. Bollington 3294).
Bredbury & Romiley U.D.	Highfield Park Road, Bredbury (Tel. Woodley 2817).
Cheadle & Gatley U.D.	Park Road, Cheadle (Tel. Gatley 3106).
Ellesmere Port U.D.	Whitby Road (Tel. Ellesmere Port 1357). Chester Road, Little Sutton (Tel. Hooton 3297).
Hazel Grove & Bramhall U.D.	Queen's Road, Hazel Grove (Tel. Gt. Moor 2048).
Northwich U.D.	Church Walk (Tel. Northwich 2421).
Runcorn U.D.	Okell Street (Tel. Runcorn 2461).

CENTRAL OFFICE.

24, Nicholas Street, Chester (Tel. Chester 2305—2 lines).

REPORT OF THE
County Medical Officer of Health

For the Year ended December 31st, 1947

Section I.-Area and Population

Area

The acreage of the County at the end of 1947 was 622,746 acres.

Population

The population of the Administrative County, as enumerated at the Census of 1931, was 665,575. The estimate of the Registrar-General for mid-1947, was 778,230.

Rateable Value

The rateable value of the Administrative County of Cheshire for General County Rate purposes at 1/4/47 was £5,351,487. A penny rate over the whole County for 1947-48 represented the sum of £20,457 (estimated).

Section II.-Births and Deaths

The figures are for the Administrative County, 1947, unless otherwise stated.

Live Births :—

	Total.	Male	Female
Legitimate	14553	7485	7068
Illegitimate	659	326	333

Birth Rate per 1,000 of the estimated resident population, 19·5.

	Total.	Male	Female
Stillbirths	403	219	184
Stillbirths Rate per 1,000 total (live and still) births, 25·8.			

	Total.	Male	Female
Deaths	9577	4879	4698

Death Rate per 1,000 of population, 12·3.

The principal causes of death were as follows:—

Disease.	No. of Deaths.	Rate per million population.
Heart Disease	2848	3660
Cancer	1467	1885
Intra-cranial vascular lesions	1218	1565
Pneumonia	352	452
Tuberculosis (all forms)	296	380
Pulmonary	236	303
Non-Pulmonary	60	77
Nephritis	251	323
Bronchitis	516	663

The deaths from the chief zymotic diseases were as follows:—

Disease.	No. of Deaths.	Rate per million population.
Diphtheria	5	6
Whooping Cough	11	14
Measles	14	18
Diarrhoea and Enteritis (under 2 years)	91	117
Scarlet Fever	1	1
Typhoid and Paratyphoid	2	3
Smallpox	—	—

The zymotic Death Rate was ·16 per 1,000.

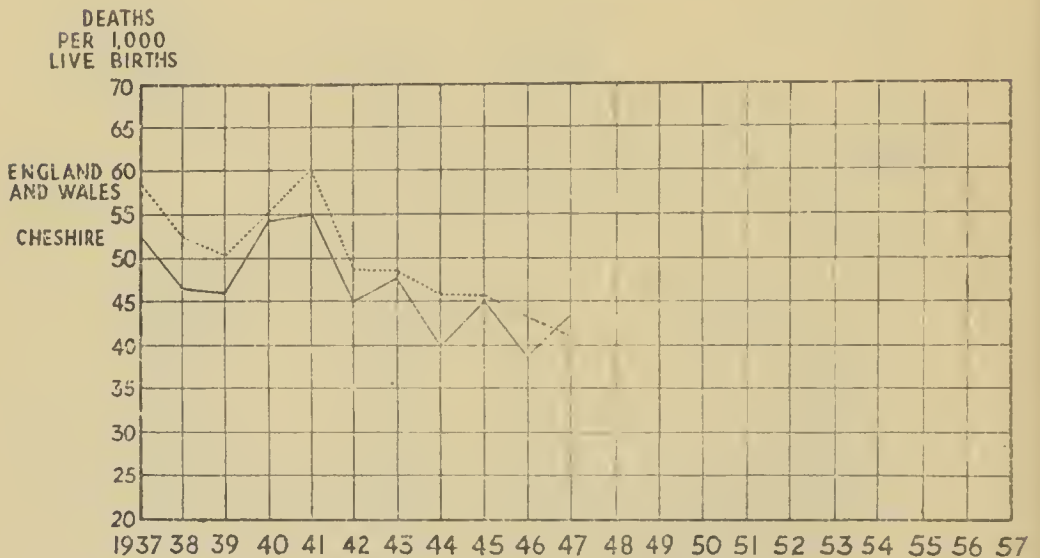
Infantile Mortality.

There have been 648 deaths of infants under 1 year in the Administrative County during 1947, i.e., 596 legitimate and 52 illegitimate. These figures show an infantile mortality as follows:—

All infants per 1,000 live births	42·5
Legitimate infants per 1,000 legitimate live births	41·0
Illegitimate infants per 1,000 illegitimate live births	78·9

The figures for recent years are shown in the following diagram:—

INFANTILE MORTALITY



Deaths from Puerperal Causes:—

	Deaths.	Rate per 1,000 total (live and still) births.
Puerperal Sepsis	1	·06
Other Puerperal Causes	15	·96
Total	16	1·02

Section III.-Infectious Diseases, etc.

Number of Cases notified during 1947

		Scarlet Fever	Whooping Cough	Poliomyelitis	Measles	Diphtheria	Pneumonia	Dysentery	Smallpox	Typhoid Fever	Paratyphoid Fevers	Erysipelas	Cerebro-Spinal Fever
Altrincham M.B.	—	32	48	6	307	—	23	—	—	—	—	5	—
Bebington M.B.	—	74	47	10	535	2	32	1	—	—	1	8	3
Congleton M.B.	—	38	15	1	392	4	22	—	—	—	—	2	—
Crewe M.B.	—	135	97	2	784	12	7	—	—	—	—	10	5
Dukinfield M.B.	—	5	102	2	154	4	18	—	—	—	—	3	—
Hyde M.B.	—	27	15	2	263	—	27	—	—	—	—	7	1
Macclesfield M.B.	—	16	77	9	357	1	23	3	—	2	1	6	—
Sale M.B.	—	28	51	6	435	2	15	1	—	—	—	2	—
Stalybridge M.B.	—	8	36	—	464	4	11	—	—	—	—	4	—
Alderley Edge U.D.	—	4	10	1	6	—	3	—	—	—	—	1	—
Alsager U.D.	—	4	29	1	106	—	9	—	—	—	—	2	1
Bollington U.D.	—	13	44	—	71	2	5	—	—	—	—	2	—
Bowdon U.D.	—	—	—	—	21	—	2	—	—	—	—	—	—
Bred. and Rom. U.D.	—	18	31	1	111	1	6	—	—	—	—	—	—
Cheadle and Gat. U.D.	—	19	33	10	360	—	16	3	—	—	—	3	1
Ellesmere Port U.D.	—	56	6	1	149	9	4	—	—	—	—	6	—
Hale U.D.	—	6	11	7	30	—	9	—	—	—	—	2	—
Hazel Grove and Bramhall U.D.	—	26	21	2	151	1	3	—	—	—	—	1	—
Hoole U.D.	—	7	3	1	45	—	10	—	—	—	—	1	—
Hoylake U.D.	—	50	34	2	217	1	6	—	—	—	2	10	—
Knutsford U.D.	—	—	4	2	15	1	3	—	—	—	—	—	1
Longdendale U.D.	—	4	6	—	132	—	—	—	—	—	—	1	—
Lymm U.D.	—	3	—	—	2	—	—	—	—	—	—	—	—
Marple U.D.	—	8	12	1	146	2	2	—	—	—	—	2	—
Middlewich U.D.	—	10	—	1	50	—	3	—	—	—	—	1	—
Nantwich U.D.	—	9	7	—	17	—	—	—	—	—	—	—	—
Neston U.D.	—	5	38	2	154	—	5	—	—	—	—	1	—
Northwich U.D.	—	16	—	4	294	—	1	—	—	—	—	2	1
Runcorn U.D.	—	22	96	—	167	4	21	—	—	—	—	4	2
Sandbach U.D.	—	12	8	1	102	—	1	—	—	—	—	—	1
Wilmslow U.D.	—	9	41	2	146	1	4	—	—	1	—	—	2
Winsford U.D.	—	74	9	—	90	—	8	—	—	—	—	1	—
Wirral U.D.	—	21	92	6	235	3	18	—	—	1	—	1	4
Bucklow R.D.	—	5	9	3	88	1	6	1	—	—	—	2	1
Chester R.D.	—	11	38	4	88	2	5	—	—	1	—	4	—
Congleton R.D.	—	7	28	5	184	2	9	—	—	—	—	1	1
Disley R.D.	—	2	4	1	57	—	1	—	—	—	—	—	—
Macclesfield R.D.	—	15	21	10	182	—	4	—	—	—	—	2	2
Nantwich R.D.	—	22	68	5	256	1	15	—	—	—	—	5	1
Northwich R.D.	—	20	28	11	284	2	8	—	—	—	—	2	—
Runcorn R.D.	—	28	48	22	336	2	13	—	—	—	—	1	—
Tarvin R.D.	—	16	72	1	44	1	42	—	—	—	—	4	—
Tintwistle R.D.	—	—	—	—	2	—	—	—	—	1	—	—	—

TABLE 2.—SMALLPOX

Area	Bucklow R.D.	Hospital Authority.	Situation of Hospital.	Accommodation		
				Blocks	Wards	Beds
1	Sale M.B. Ald'l'y Edge U.D. Hale U.D. Knutsford U.D. Wilmslow U.D. County Districts. Altrincham M.B. Bowdon U.D. Cheadle and Gatley U.D. Lymm U.D. ^b	N. Ches. J.H.B. ^a ^a Beds for Districts in Board's Area provided by agreement with Manchester except where indicated ^b Agree. with Warrington	Clayton, Manchester. Warrington.	(As required)		
2	Congleton M.B. Alsager U.D. Sandbach U.D. Congleton R.D. Crewe M.B. ^c	Congleton and District S.P.J.B. ^c Contracts with Board for 6 Beds	Arclid, Sandbach.	2	2	12
3	Hoole U.D. ^d Tarvin R.D. ^d	^d Agree. with Chester	Sealand Rd., Chester.	(As required—see Table 1)		
4	Hyde M.B. ^e Dukinfield M.B. Bredbury and Romiley U.D. Hazel Grove and Bramhall U.D. Marple U.D. Disley R.D.	^e All other Authorities (except Tintwistle and Longdendale) have made agreements with Hyde	Old Road, Hyde.	2	6	48*
	Longd'd'le U.D. ^f Tintwistle R.D. ^f	^f Hollingworth, Mottram and Tintwistle J.C.	Carrhouse Lane, Mottram.	1	2	6*
5	Mac'sfield M.B. ^g Bollington U.D. ^g Mac'sfield R.D. ^g	^g Agree. with Congleton and District. S.P.J.B.		* Shared with Denton, Droylsden, Stockport & Rochdale, who are entitled to 9 beds. See also under Area 5. (As required)		
6	Nantwich U.D. Nantwich R.D.	Nantwich J.H.B.	Ravensmoor, Nantwich.	1	2	6
7	Middlewich U.D. Northwich U.D. Winsford U.D. Northwich R.D.	Northwich and District J.H.B.	Marbury, Northwich.	3	9	15
8	Runcorn U.D. ⁱ Runcorn R.D. ⁱ	ⁱ Agree. with Warrington	Warrington.	(As required)		
9	Bebington M.B. Ellesmere Port Ell'm're P't U.D. Hoylake U.D. Neston U.D. Wirral U.D. Chester R.D.	Wirral J.H.B. ^j ^j Agree. with Liverpool	Liverpool Port Sanitary Hospital, New Ferry (and others in Liverpool).	(As required)		
10	Stalybridge M.B. ^k	^k Member of Ashton, etc. J.S.P.H.B.	Ashton-u-Lyne	(As required)		

AMBULANCES

All cases of infectious disease were dealt with in 1947 by the ambulances attached to the various Isolation Hospitals.

Apart from infectious cases, the following were the arrangements made by the County Districts in 1947:—

Altrincham Borough	Three motor ambulances.
Bebington Borough	Two motor ambulances attached to Port Sunlight Hospital; Council makes annual payment.
Congleton Borough	One motor ambulance.
Crewe Borough	Three motor ambulances.
Dukinfield Borough	Make use of Hyde Ambulance.
Hyde Borough	Three motor ambulances.
Macclesfield Borough	Two motor ambulances.
Sale Borough	Four motor ambulances.
Stalybridge Borough	Two motor ambulances.
Alderley Edge Urban	One motor ambulance.
Alsager Urban	One motor ambulance.
Bollington Urban	Have arrangement with Macclesfield Corporation.
Bowdon Urban	Two motor ambulances jointly with Hale.
Bredbury Urban	Arrangement with Hyde Corporation.
Cheadle Urban	Two motor ambulances provided by St. John and Red Cross.
Ellesmere Port Urban	Two motor ambulances.
Hazel Grove Urban	Arrangement with Stockport Corporation.
Hoole Urban	Standing Joint Committee has arrangement with Chester City.
Hoylake Urban	One motor ambulance jointly with Wirral U.D.
Knutsford Urban	Agreement with Altrincham.
Longdendale Urban	Arrangement with Hyde.
Lymm Urban	Agreement with Altrincham.
Marple Urban	Arrangement with Stockport.
Middlewich Urban	Make use of ambulances from Northwich.
Nantwich Urban	Maintain an ambulance jointly with Rural District.
Neston Urban	Use Clatterbridge ambulances.
Northwich Urban	Three motor ambulances.
Runcorn Urban	Council subsidise a private firm for the use of a motor ambulance.
Sandbach Urban	An annual sum is paid for the use of two St. John motor ambulances.

Wilmslow Urban	One motor ambulance.
Winsford Urban	One motor ambulance; also made use of Red Cross ambulance.
Wirral Urban	One motor ambulance jointly with Hoylake U.D.
Bucklow Rural	Agreement with Altrincham.
Chester Rural	Standing Joint Committee has agreement with Chester City.
Congleton Rural	Make use of Sandbach ambulances.
Disley Rural	Have services of Stockport ambulance
Macclesfield Rural	Agreement with Macclesfield Borough.
Nantwich Rural	Maintain an ambulance jointly with Urban District.
Northwich Rural	Make use of the ambulances from Northwich.
Runcorn Rural	Two motor ambulances.
Tarvin Rural	Standing Joint Committee has agreement with Chester City.
Tintwistle Rural,	Utilise the Hyde ambulance.

The Standing Joint Committee paid an annual sum of £100 for the use of Chester City Ambulances within a 10-mile radius.

The ambulances at Clatterbridge County Hospital served the districts from which patients are conveyed to that Institution.

Section IV.-Venereal Diseases

The following information is compiled from the returns supplied by the treatment centres used by County patients in 1947:—

Institution.	Persons attending for first time at Out-Patient Clinic suffering from				Total attendances at Out-Patient Clinic.
	Syphilis.	Soft Chancre	Gonorrhoea.	Non-Venereal conditions.	
Ashton-under-Lyne Infirmary ...	20	—	24	30	1254
Birkenhead Hospital ...	7	—	37	63	1840
Chester Royal Infirmary ...	39	—	52	34	1449
Crewe Herdman Street Clinic ...	57	—	51	122	5529
Holloway Northern Hospital ..	—	—	1	—	19
Liverpool Mill Road Infirmary ...	2	—	—	—	40
Liverpool Royal Infirmary ..	3	1	14	21	395
Liverpool Seamen's Dispensary ..	8	4	24	71	604
Luton Clinic	1	—	—	—	14
Macclesfield West Park Clinic ...	29	—	22	76	4141
Manchester Ancoats Hospital ..	2	—	5	9	143
Manchester Royal Eye	3	—	—	1	396
Manchester Royal Infirmary ...	18	—	31	72	1328
Manchester Skin Hospital ...	8	—	1	20	602
Manchester St. Luke's ...	16	—	57	71	1389
Oldham Royal Infirmary ..	—	—	1	1	30
Salford Borough Hospital ...	6	1	10	20	518
Shrewsbury Clinic	—	—	—	1	22
St. Helen's Clinic	—	—	—	1	2
Stockport Clinic ...	10	—	8	63	807
Stoke-on-Trent Clinic ...	—	—	4	26	129
Stoke-on-Trent, North Staffs. ...	3	—	5	9	369
Infirmary					
Warrington Borough Hospital ...	9	—	12	19	523
TOTALS ...	241	6	359	730	21543

REGULATION 33b.

Contacts notified to the Medical Officer of Health during the period 1st January, 1947 to 31st December, 1947.

	M.	F.
(1) (a) Total number of contacts in respect of whom form 1 was received	0	6
(b) Number in (a) transferred from other areas	0	1
(2) Number of cases in (1) in which attempts were made during the current period outside the scope of the Regulation to persuade the contact to be examined before the latter had been named on a second Form 1:—		
Contacts found	0	5
Contacts examined or already under treatment	0	5
(3) (a) Number of those in (1) in respect of whom two or more Forms 1 were received	0	0
(b) Number included in (3) (a) in respect of whom the first Form 1 was previously reported under (1)	0	0
(c) Number included in (3) (a) transferred from other areas	0	0
(4) Number of those (3) (a) who were:—		
(a) found	0	0
(b) examined after persuasion or already under treatment	0	0
(c) served with Form 2	0	0
(d) examined after service of Form 2	0	0
(e) prosecuted for failure:—		
(i.) to attend for, and submit to, medical examination	0	0
(ii.) to submit to and continue treatment	0	0
(f) transferred to other areas	0	0

Section V.-Tuberculosis, etc.

Statistics

The annual tuberculosis returns for the Ministry of Health were in great part eliminated. For the sake of continuity, however, the main figures for the year under review and the two previous years are set out for comparison:—

	1947	1946	1945
New cases notified (primary)			
Pulmonary ...	460	370	480
New cases notified (primary)			
Non-pulmonary ...	195	140	189
Total ...	<hr/> 655 <hr/>	<hr/> 510 <hr/>	<hr/> 669 <hr/>
No of cases remaining on Registers of Notifications kept by District M.O's.H., December 31st. ...	4956	5249	5415
No. of Deaths from all forms of Tuberculosis ...	296	310	302
Death-rate from all forms of Tuberculosis per 1,000 of the population	0·38	0·40	0·41
New Applicants for Treatment	368	319	418
No. of Cases on Dispensary Registers, 31st December	5589	5810	5894

The following table shows the number of insured (including discharged service cases) and uninsured persons who have received treatment during the years 1938-47:—

YEAR.	INSURED.		UNINSURED.		TOTAL.
	Males.	Females.	Males.	Females.	
1938	487	227	280	347	1341
1939	507	220	244	281	1252
1940	509	209	168	238	1124
1941	490	204	157	222	1073
1942	506	185	151	201	1043
1943	451	193	160	209	1013
1944	424	199	131	185	939
1945	450	202	105	202	959
1946	354	192	126	190	862
1947	405	190	120	224	939

Number of new applications for treatment under the County Tuberculosis Scheme during the years 1938-47:—

YEAR.	DIS- CHARGED SERVICE CASES	INSURED.	UNINSURED.	TOTAL.
1938	—	281	294	575
1939	1	306	228	535
1940	7	314	193	514
1941	34	263	163	460
1942	34	245	157	436
1943	44	251	153	448
1944	69	218	150	437
1945	42	228	148	418
1946	38	179	102	319
1947	39	175	154	368

Table relating to Tuberculosis in children under 16:—

Year.	Number of Children notified as suffering from Pulmonary Tuberculosis.	Number of Children notified as suffering from Non-Pulmonary Tuberculosis.	Percentage of Total Notifications.	
			Pulmonary.	Non-Pulmonary.
1938	32	185	6·1	66·8
1939	24	181	5·6	65·4
1940	25	136	5·3	68·0
1941	17	146	3·3	65·8
1942	21	149	4·6	58·4
1943	17	126	3·7	57·3
1944	20	143	3·9	64·4
1945	14	124	2·9	65·6
1946	12	82	3·2	58·6
1947	20	121	4·3	62·1

Beds Occupied.

The number of beds occupied in institutions other than the Cheshire Joint Sanatorium or Wrenbury Hall at 1st April was as follows:—

Year.	Beds occupied.
1939	229
1940	175
1941	174
1942	173
1943	155
1944	148
1945	161
1946	151
1947	164
1948	157

Statement shewing number of patients who received institutional treatment during 1947:—

INSTITUTIONS	ADULTS		Children under 16	Total	Average number of beds occupied	Average period in residence	
	Males	Females				Wks.	Days
SANATORIA							
Cheshire Joint Sanatorium	168	135	—	303	117.49	20	1
Wrenbury Hall	96	—	—	96	29.19	15	6
Liverpool Sanatorium	9	37	—	46	15.47	17	4
Nab Top Sanatorium	1	2	—	3	.94	16	2
Crossley Sanatorium	4	3	—	7	2.64	19	5
Mundesley Sanatorium	2	—	—	2	.83	21	4
Preston Hall Sanatorium	1	—	—	1	.33	17	1
Nayland Sanatorium	—	3	—	3	1.25	21	5
Warrington Sanatorium	13	22	—	35	16.98	25	2
Llanbedr Hall	3	4	—	7	3.09	23	—
Barrowmore Hall	5	—	—	5	1.96	20	3
Papworth Hall	—	1	—	1	.76	39	5
Pendyffryn Hall	3	4	—	7	3.56	26	4
Cornish Riviera Sanatorium	2	—	—	2	.46	12	1
Kelling Sanatorium	1	—	—	1	1.00	52	1
Wald Sanatorium, Switzerland ..	1	—	—	1	.25	12	6
Montana Hall, Switzerland	1	—	—	1	.28	14	6
Total	310	211	—	521	196.48	22	1
PULMONARY HOSPITALS.							
Hyde Pavilion	78	25	—	103	37.93	19	1
Baguley Sanatorium	10	9	—	19	9.18	25	1
Broadgreen Hospital	4	—	—	4	.95	12	3
Meadowslea Hospital	—	2	—	2	.17	4	4
Crewe Pavilion	1	—	—	1	.05	2	3
Macclesfield Isolation Hospital ..	5	6	—	11	2.24	10	4
Crumpsall Hospital	1	—	—	1	.10	5	1
Birkenhead Municipal Hospital ..	1	—	—	1	.19	10	1
Total	100	42	—	142	50.81	11	1
GENERAL HOSPITALS							
Albert Infirmary, Winsford	—	1	4	5	.45	4	5
Ashton-u-Lyne Infirmary	—	1	2	3	.26	4	2
Macclesfield Gen. Infirmary	—	—	4	4	.39	5	0
Manchester Royal Infirmary	1	5	—	6	.27	2	4
Altrincham General Hospital	—	2	14	16	.78	2	4
Royal Liverpool (Heswall)	—	—	13	13	2.62	10	4
Northwich Infirmary	—	—	2	2	.06	1	3
Congleton Memorial Hospital	1	—	5	6	.37	3	1
Stockport Infirmary	—	—	1	1	.12	6	3
Crewe Memorial Hospital	1	1	2	4	.26	3	3
Alder Hey Hospital	—	—	1	1	.08	4	2
Royal Manchester Children's Hospital	—	—	3	3	.12	2	1
National Hospital, London	—	1	—	1	.03	1	5
Total	3	11	51	65	5.81	4	0
ORTHOPAEDIC HOSPITALS							
Leasowe Open Air Hospital	—	9	35	44	19.75	23	3
Oswestry Orthopaedic Hospital ..	12	19	40	71	33.94	24	6
Hartshill Orthopaedic Hospital ..	2	1	8	11	3.25	15	3
Marple Orthopaedic Hospital	—	—	13	13	6.78	27	1
Total	14	29	96	139	63.72	22	5
SKIN HOSPITAL							
Liverpool Skin Hospital	—	2	—	2	.22	6	1
Total	—	2	—	2	.22	6	1
TOTAL ALL INSTITUTIONS ..	427	295	147	869	317.04	13	2

Table showing primary notifications and deaths from Tuberculosis since 1st February, 1913, when compulsory notification began in Cheshire.

Year	Primary notifications Form A	Deaths	Death rate per 1,000 population
1913	1224	651	1.04
1914	1293	655	1.05
1915	1001	677	1.12
1916	999	677	1.18
1917	770	671	1.18
1918	770	744	1.35
1919	789	592	.98
1920	892	578	.92
1921	908	527	.83
1922	786	550	.86
1923	850	488	.76
1924	1016	512	.79
1925	883	510	.78
1926	939	489	.73
1927	892	488	.73
1928	932	499	.74
1929	917	465	.69
1930	838	438	.64
1931	802	438	.64
1932	751	460	.66
1933	754	389	.57
1934	765	377	.54
1935	739	367	.52
1936	752	348	.49
1937	799	373	.52
1938	802	360	.49
1939	709	358	.48
1940	674	403	.52
1941	740	402	.52
1942	713	302	.40
1943	685	339	.46
1944	734	332	.45
1945	669	302	.41
1946	510	310	.40
1947	655	296	.38

The 1947 deaths are made up as follows:—

	Male.	Female.	Total.
Pulmonary	157	79	236
Non-Pulmonary	29	31	60
	<hr/>	<hr/>	<hr/>
	186	110	296

Death Rates, 1947.

All forms, .38 per 1000 of population.

Pulmonary, .30 per 1000 of population.

Non-Pulmonary, .08 per 1000 of population.

Summary of Notifications during the period from the 1st January, 1947, to the 31st December, 1947

Formal Notifications

Age Periods	Number of Primary Notifications of new cases of tuberculosis											Total (all ages)	Total Notifications
	0-	1-	5-	10-	15-	20-	25-	35-	45-	55-	65-		
Pulmonary Males	1	4	2	4	25	39	49	54	52	35	11	276	301
„ Females	2	1	3	3	31	38	52	31	9	6	8	184	206
Non-pulmonary Males	—	20	26	12	7	3	6	7	2	4	2	89	93
„ Females	1	19	30	13	8	7	11	8	3	3	3	106	110

SUPPLEMENTAL RETURN

New Cases of Tuberculosis coming to the knowledge of the Medical Officer of Health during the above-mentioned period, otherwise than by formal notification

Age Periods	0-	1-	5-	10-	15-	20-	25-	35-	45-	55-	65-	Total
Pulmonary Males	1	—	—	—	—	5	21	7	4	7	8	53
„ Females	—	1	1	1	4	17	22	7	2	1	1	57
Non-pulmonary Males	—	2	1	5	1	—	3	1	1	1	—	15
„ Females	—	4	5	3	2	2	3	2	—	—	1	22

The source or sources from which information as to the above-mentioned cases was obtained are stated below:—

Source of Information		No. of Cases	
		Pulmonary	Non-Pulmonary
Death Returns	{ From Local Registrars	—	10
	{ Transferable deaths from Registrar General	29	7
Posthumous notifications	—	6	2
“Transfers” from other areas (other than transferable deaths)	—	1	—
Other Sources	—	74	18
	—	—	—

COUNTY PUBLIC HEALTH LABORATORY

Specimens examined in the County Public Health
Laboratory during the year 1947 for:—

<i>Sanatoria—</i>	Neg.	Pos.
Wrenbury Hall	279	104
Borough Hospital, Hyde (Tuberculosis Pavilion)	48	106
<i>Other Institutions—</i>		
David Lewis Colony, Warford	1	
Dutton Institution	1	
Cheadle Royal Mental Hospital... ..	6	
Congleton War Memorial Hospital	2	
Cottage Hospital, Knutsford	1	
Holmcroft County Hospital, Arclid	1	1
Isolation Hospital, Macclesfield	9	5
Macclesfield General Infirmary... ..	8	
Port Sunlight Hospital... ..	3	1
The Barony Hospital, Nantwich... ..		1
West Park Hospital, Macclesfield... ..	3	4
<i>Districts outside the County—</i>		
Chester C.B.	1	
Derbyshire C.C.	1	
Lancs. C.C.	1	
Stockport C.B.	1	

Total Number of Specimens Examined during the Year 1947:

	Neg.	Pos.
Sputa for T.B. Examination (18.8 per cent. positive)	2258	524
Pleuritic Specimens	20	
Urines	3	
Pus... ..	15	2
Faeces... ..	3	
Cultures for Tubercle Bacilli	112	7
Concentration Method, Patients' Sputa for T.B.	88	1
Milk, Bulk Samples Microscopic Examina- tions for T.B.	73	4
	<hr/> 2572	<hr/> 538
Total number examined	3110	
Milks examined by Reductase Test ...	12682	
(Failed 1765, Satisfactory 10917)		
Milks examined by Coliform Test ...	10167	
Milks examined by Phosphatase Test	373	
Milks examined by Plate Count	2	
Total number of examinations made	<hr/> 26334	

Statement giving Particulars of Public Health Laboratory

From Patients for T.B..

YEAR	Sputa		Urines		Glands		Pleural Effusions		Pus.		Hair for Ring-worm		Fæces		Cultures		Total
	Pos.	Neg.	Pos.	Neg.	Pos.	Neg.	Pos.	Neg.	Pos.	Neg.	Pos.	Neg.	Pos.	Neg.	Pos.	Neg.	
1938	688	2333	...	8	...	...	...	3	1	6	...	1	...	3	...	...	3043
1939	602	2192	1	4	1	1	1	6	1	15	...	...	...	1	...	...	2825
1940	634	2496	...	10	...	1	...	18	1	9	...	1	...	1	18	153	3342
1941	594	2571	...	2	...	...	...	16	1	4	11	8	...	1	10	278	3496
1942	549	2774	...	4	...	...	1	9	1	6	4	9	...	...	13	310	3680
1943	591	3021	1	4	...	...	1	19	...	7	1	5	...	...	11	232	3893
1944	548	2651	1	2	...	...	1	15	1	14	1	6	1	...	17	182	3440
1945	540	2335	2	2	...	...	3	17	1	10	...	2	...	1	7	83	3003
1946	501	2253	...	5	...	...	1	19	1	11	...	...	...	...	12	113	2916
1947	524	2258	...	3	...	...	...	20	2	15	...	...	...	3	7	112	2944

Specimens Examined in County during the Years 1937 to 1947

From Cows for T.B.				Milks examined by Reductase Test	Milks examined by Coliform Test	Milks examined by Phosphat- ase Test	Milks examined by Plate Count	Total Number of Specimens examined	Concentra- tion Method Patients' Sputa.		Total Number of Examina- tions made
Milk		Sputa							Pos.	Neg.	
Pos.	Neg.	Pos.	Neg.								
58	549	4	...	12088	12088	...	...	27830	62	277	28169
28	1802	...	...	12354	12225	...	...	29234	19	41	29294
9	1228	...	...	12517	12517	...	...	29613	10	156	29779
1	104	...	...	11132	9000	16	16	23765	17	268	24050
2	115	...	...	12376	8611	2	22	24808	11	310	25129
4	154	...	...	13467	7044	12	12	24586	11	212	24809
1	182	...	...	12400	6294	...	3	22320	9	161	22490
.	4	...	...	12726	9381	219	138	25471	4	54	25529
2	39	...	...	13529	10303	317	7	27113	7	81	27201
4	73	...	...	12682	10167	373	2	26245	1	88	26334

Orthopaedic Clinics

The following table shows the attendances at the Clinics (excluding those made for sunlight treatment only):—

Clinic	On registers 1/1/47	Admitted 1947	Dis- charged 1947	On registers 31/12/47	Attend- ances
Alderley Edge..	3	—	—	3	—
Altrincham ..	4	1	—	5	9
Chester ..	14	2	1	15	29
Congleton ..	5	1	1	5	27
Crewe ..	44	6	6	44	130
Ellesmere Port	5	2	1	6	9
Hoylake ..	2	1	—	3	7
Hyde ..	4	—	2	2	11
Macclesfield ..	2	2	—	4	22
New Ferry ..	3	—	1	2	3
Northwich ..	20	3	2	21	106
Runcorn ..	8	1	1	8	16
Stockton Heath	2	—	—	2	12
Total ..	116	19	15	120	381

Artificial Sunlight Treatment

The following table shows the attendances made at various clinics by tuberculous patients:—

Clinic	On registers 1/1/47	Admitted 1947	Dis- charged 1947	On registers 31/12/47	Attend- ances
Altrincham Hosp.	1	5	6	—	102
Hyde Clinic ..	—	1	—	1	4
Liverpool, Belmont Rd. Hospital	6	3	2	7	122
Marple Children's Hospital	—	2	2	—	19
Manchester & Salford Skin Hospital	44	4	6	42	264
Warrington Infirm.	4	—	2	2	20
Total ..	55	15	18	52	531

FINANCIAL ASSISTANCE—MEMO. 266/7.

During the year 1946, 151 maintenance and 64 other awards were made by the Care Committee, while 176 maintenance and 70 other awards ceased.

At the end of the calendar year 1946, there were 128 maintenance and 49 other awards being paid to County patients.

At the end of the financial year 1946/47, there were 110 maintenance and 46 other awards being so paid.

During the year 1947, 154 maintenance and 69 other awards were made by the Care Inter-Sub-Committee, while 155 maintenance and 51 other awards ceased.

At the end of the calendar year 1947, there were 127 maintenance and 67 other awards being paid to County patients.

At the end of the financial year 1947/48, there were 123 maintenance and 67 other awards being so paid.

The number of patients receiving assistance at 4th July, 1948, and handed over to the National Assistance Board, was 128.

Section VI.-Maternity and Child Welfare

Area

The County area, for the purpose of the Midwives Acts and inspection of Nursing Homes (see Part A of this Section) comprised the whole of the Administrative County, but for Maternity and Child Welfare and Child Life Protection (see Part B of this Section) excluded the Boroughs of Altrincham, Bebington, Crewe, Hyde, Macclesfield and Stalybridge, also the Urban Districts of Ellesmere Port, Hale and Knutsford.

A.

Number of Midwives in Practice

There were 379 midwives who notified their intention to practise in the County Area during 1947.

County Midwives	67
District Nursing Association... ..	114
Independent Midwives	60
Practising in Nursing Homes	42
In Institutions	77

Inspection of Midwives

Visits paid by Senior Assistant Medical Officer	139
Visits paid by Assistant Supervisor of Midwives—	
Inspection of County Midwives	204
Inspection of Independent Midwives	14
Cases visited—	
Labours	4
Nursings	85
Antenatal	63
Postnatal	21
Pupil Midwives	7
Lectures to Pupils and Midwives	12

Towards the end of 1947 the revised rules of the Central Midwives Board were brought into practice, and occasioned considerable explanation to the midwives and particularly to midwives acting as maternity nurses. The latter are, by the new rules, for the first time required to notify their intention to practise, and to keep records which are available for inspection. The number of notices sent in under the rules is therefore likely to show a considerable increase.

Details of County Midwives' Attendance at Cases

LIVE-BIRTHS.		STILL-BIRTHS.		MIS-
With	Without	With	Without	CARRIAGES.
a Doctor.	a Doctor.	a Doctor.	a Doctor.	
1021	3049	6	71	143

Notifications received (Central Midwives Board Rules)

Medical Aid... ..	2818
Stillbirths	51
Laying out of the Dead	34
Source of Infection	17
Artificial Feeding	135

Nursing and Maternity Homes

Number on the Register at the end of 1947 ...	46
Number of inspections during 1947	105
Number of new Homes registered in 1947	5

There is an increasing tendency for the opening of small homes for the reception of the elderly person who requires some care, often hardly amounting to nursing; these homes will also shortly be brought under inspection, and will then fulfil a very useful function.

B.**Home Helps**

During 1947 home helps have been provided in 179 homes.

Domestic helps were supplied in 31 cases.

Puerperal Pyrexia, etc.

33 cases of Puerperal Pyrexia were notified, and 14 of these cases were already in Hospital.

No cases of Puerperal Fever were notified.

Consultants

In 47 cases the advice and help of a consultant have been obtained for difficulties in labour or any abnormality during the puerperium.

Ophthalmia

9 cases of Ophthalmia Neonatorum were notified and all cases made good recovery.

Maternal Mortality (per 1,000 live and stillbirths)

The maternal mortality rate for 1947 was 1.02, being .06 for puerperal sepsis and .96 from other causes.

Maternity Hospitals and Homes

During 1947 there have been 1715 mothers who, through the help of the County Maternity and Child Welfare Committee, have had their confinements in a Maternity Hospital or Home. (For confinements in Clatterbridge and West Park County General Hospitals, see pp. 81 and 104).

The confinements have taken place in the following Institutions:—

1947

Ashton District Infirmary	6
Ashton-under-Lyne County Hospital... ..	164
Birkenhead Borough Hospital... ..	1
Chester City Hospital	492
Heswall Nursing Home... ..	230
Liverpool Maternity Hospital	72
Longton Hospital	36
Park Hospital, Davyhulme	1
Saint Mary's Hospital, Manchester	99
Saint Mary's Emergency Unit	13
Sale Memorial Hospital	35
Salop County Hospital	1
Southfield Maternity Home, Bowdon	380
Stockport Stepping Hill Hospital	58
Stoke-on-Trent, North Staffs. Royal Infirmary ...	12
Urmston Cottage Hospital	1
Warrington Borough Hospital... ..	78
The Cliffe Maternity Hospital, Wybunbury	36

Child Life Protection

Number of Foster Parents on the Register, 1947	29
Number of Children on the Register, 1947... ..	42
No deaths.	

Ante-Natal and Post-Natal Clinics

Hospital	Number of Expectant Mothers	Number of Pos.-Natal Cases
Ashton-under-Lyne Infirmary	140	140
Chester City Hospital	591	169
Clatterbridge County Hospital	295	40
Macclesfield West Park County Hosp.	333	186
Southfield Maternity Home, Bowdon	94	10

Welfare Centre	Sessions	Ante-Natal Attendances	Average	Sessions	Post-Natal Attendances	Average
Cheadle	32	338	10			
Congleton	26	512	19	12	100	8
Hazel Grove	33	463	14			
Hoole	12	175	14	11	59	5
Northwich	14	468	33			
Runcorn	51	2135	41	12	48	4
Sale	24	675	28	11	42	3

During 1947 there were 1508 expectant mothers examined by their own doctors under the County Scheme.

Dental Report 1947

Expectant mothers inspected...	103
Expectant mothers selected ...	97
Expectant mothers treated...	92
Attendances made by above ...	221
Permanent teeth extracted ...	392
Permanent teeth filled ...	59
Upper dentures fitted ...	25
Lower dentures fitted ...	24
Other operations ...	72
No. of children under 5 years of age Inspected...	80
" " " " Selected ...	68
" " " " Treated ...	58
No. of attendances ...	75
No. of extractions ...	52
No. of fillings ...	22
No. of other operations ...	24

LIST OF INFANT WELFARE CENTRES, 1947.

Centre.	Frequency	Day	No of Sessions	No. Present	No. seen by Dr.	Average Att.
Adswold	Fortnightly	1st and 3rd Mondays	23	929	313	40
Alderley Edge	Weekly	Friday	51	2168	399	42
Alsager	Fortnightly	Tuesday	26	1267	357	48
Andlem	Fortnightly	1st and 3rd Tuesdays	24	665	140	27
Barnton	Fortnightly	2nd and 4th Wednesday	23	922	452	40
Bollington	Fortnightly	2nd and 4th Thursdays	22	1145	410	52
Bowdon	Fortnightly	Thursday	26	634	303	24
Bramhall	Fortnightly	1st and 3rd Monday	23	911	195	39
Bredbury	Weekly	Tuesday a.m. & p.m.	49	4058	1132	82
Cheadle	Weekly	Tuesday	48	2883	928	62
Cheadle Hulme	Fortnightly	Tuesday	26	1567	356	60
Congleton	Weekly	Monday	49	234	1024	53
Davenham	Monthly	1st Monday	12	351	141	29
Disley	Fortnightly	Tuesday	25	914	261	36
Dukinfield	Twice weekly	Wednesday & Thursday a.m. & p.m.	103	6331	1577	61
Frodsham	Fortnightly	Tuesday	26	1331	322	51
Grappenhall	Weekly	Tuesday	52	3067	467	59
Greasby	Fortnightly	Wednesday	26	888	167	34
Handforth	Fortnightly	2nd and 4th Monday	23	1007	385	44
Hartford	Fortnightly	2nd and 4th Tuesday	22	626	285	28
Haslington	Fortnightly	Tuesday	26	1096	399	42
Hazel Grove	Weekly	Thursday	50	3858	938	79
Heald Green	Fortnightly	1st and 3rd Thursdays	14	395	110	28
Helsby	Fortnightly	Tuesday	26	1140	304	44
Heswall	Fortnightly	Monday	25	1922	377	77
High Lane (Marple)	Fortnightly	Tuesday	26	623	217	24
Hollingworth	Fortnightly	Thursday	24	1346	267	56
Hoole	Weekly	Tuesday	51	2834	859	55
Hoole Toddlers Clinic	Monthly	1st Thursday	12	112	75	9
Hoyleake	Weekly	Thursday	51	2664	490	52
Irby	Fortnightly	Monday	25	1071	193	43
Kelsall	Fortnightly	1st and 3rd Tuesdays	23	815	246	35
Lower Peover	Fortnightly	2nd and 4th Monday	24	642	268	27
Lymm	Weekly	Tuesday	48	2160	400	45
Malpas	Fortnightly	Monday	24	424	380	18
Marple	Weekly	Wednesday	50	3465	600	69
Marple Bridge	Fortnightly	2nd and 4th Thursday	25	1084	321	43
Mellor	Fortnightly	1st and 3rd Thursdays	11	281	160	25
Middlewich	Weekly	Monday	49	1750	1437	35
Mobberley	Fortnightly	Tuesday	26	418	276	16
Monkton	Monthly	3rd Wed.	12	321	198	26
Mow Cop	Fortnightly	1st and 3rd Wednesday	24	293	238	12

LIST OF INFANT WELFARE CENTRES, 1947—*Contd.*

Centre	Frequency	Day	No. of Sessions	No. Present	No. seen by Dr.	Average Att.
Nantwich ...	Weekly	Thursday	51	2455	426	48
Neston ..	Weekly	Thursday	49	3004	471	61
Northwich ... (Darland House)	Weekly	Tuesday	52	3110	1167	59
Northwich ... (Parkfield)	Weekly	Thursday	51	2897	1197	56
Over Peover ...	Fortnightly	1st and 3rd Monday	23	365	186	15
Partington ...	Fortnightly	Thursday	25	576	162	23
Poynton ...	Fortnightly	1st and 3rd Thursday	24	1490	442	62
Rainow and Kettleshulme	Fortnightly	1st and 3rd Wednesday	18	331	145	18
Rode Heath ...	Fortnightly	1st and 3rd Monday	10	161	150	16
Romiley ..	Weekly	Thursday	49	2347	1013	48
Runcorn ...	Weekly	Wednesday a.m. & p.m.	105	6161	2348	58
Runcorn ... Toddlers Clinic	Monthly	1st Monday	12	116	116	9
Sale ...	Twice weekly	Tuesday & Thursday	103	8299	2737	81
Sale ... Toddlers Clinic	Monthly	2nd Wednesday	12	477	329	39
Sandbach ...	Weekly	Tuesday	51	2317	1164	45
Sanghall ...	Fortnightly	1st, 3rd & 5th Monday	28	884	312	31
Scholar Green ..	Fortnightly	2nd & 4th Wednesday	23	431	313	18
Shavington ...	Fortnightly	2nd and 4th Tuesday	24	632	77	26
Stoekton Heath...	Fortnightly	Monday	25	1280	326	51
Sutton ..	Fortnightly	2nd and 4th Wednesday	22	419	178	19
Tarporley ...	Fortnightly	2nd and 4th Thursday	26	726	153	28
Upton ..	Fortnightly	1st and 3rd Thursday	45	1799	588	40
Weaverham ..	Fortnightly	Tuesday	26	852	428	32
West Kirby ...	Fortnightly	1st and 3rd Fridays	3	112	46	37
Willaston ...	Fortnightly	1st and 3rd Fridays	12	270	122	22
Wilmslow ..	Weekly	Thursday	51	3313	976	65
Winsford ...	Weekly	Friday	50	2009	1161	40

Artificial Sunlight Treatment

The following table shows the attendances made at the various clinics by non-tuberculous patients:—

Clinic.	Patients at 1/1/47	Admitted during 1947	Discharged during 1947	Patients at 31/12/47	Attend- ances at Clinics
Hyde	2	3	5	—	38
Dukinfield	13	19	27	5	397
Marple Hosp.	3	3	3	3	125
Sale	9	40	34	15	736
	27	65	69	23	1296

Orthopaedic Scheme

The Orthopaedic Scheme includes treatment for all orthopaedic conditions occurring in children under 5 years of age. During 1947 there were 2,914 attendances of 620 patients (non-tuberculous) at 13 Clinics, and 18 cases received institutional treatment.

The following table shows the attendances made at the various Orthopaedic Clinics (excluding those for Sunlight only).

Clinic.	Patients at 1/1/47	Admitted during 1947	Discharged during 1947	Patients at 31/12/47	Attend- ances at Clinics
Alderley Edge ..	66	29	50	45	311
Altrincham ..	25	13	16	22	126
Chester ..	7	6	4	9	14
Congleton ..	34	28	30	32	504
Crewe ..	50	28	18	60	184
Ellesmere Port ..	7	4	1	10	372
Hoylake ..	20	3	2	21	186
Hyde ..	4	1	4	1	10
New Ferry ..	2	—	1	1	37
Northwich ..	29	30	13	46	144
Runcorn ..	76	43	34	85	387
Sale	43	37	12	68	489
Stockton Heath..	26	9	8	27	150
	389	231	193	427	2914

Institutional Treatment

34 children received institutional treatment during 1947—18 boys and 16 girls. Of these, 18 were orthopaedic cases, and 16 medical and surgical cases.

The following table shows the hospitals and clinics where treatment was carried out, and the conditions from which the children were suffering.

	M. & C. W. 1947	Orthopaedic Hospital, Hartshill	Hospital for Children, Leasowe	Duchess of York Babies Hospital, Manchester	Children's Orthopaedic Hospital, Marple	Orthopaedic Hospital, Oswestry	Total
Orthopaedic	Boys .. .. .	..	4	9	2	3	18
	Girls	4	..	8	..	4	16
	Club Feet	2	3	..	..	2	7
	Con. Deformity of Hip .. .. .	..	..	..	..	1	1
	Femur, fracture of .. .. .	..	..	..	..	1	1
	Metatarsus Varus .. .. .	..	1	..	..	..	1
	Osteomyelitis .. .. .	..	..	1	..	..	1
	Poliomyelitis	2	..	..	2	..	4
	Scoliosis .. .. .	..	..	..	..	2	2
	Torticollis .. .. .	..	..	..	..	1	1
Various Medical and Surgical	Breast Abscess .. .. .	..	..	..	..	..	2
	Cerebral Injury .. .. .	..	..	2	..	..	1
	Dyspepsia .. .. .	..	..	1	..	..	1
	Hare Lip .. .. .	..	..	1	..	..	1
	Marasmus .. .. .	..	..	1	..	..	1
	Mastoiditis .. .. .	..	..	1	..	..	1
	Meningitis .. .. .	..	..	1	..	..	1
	Pneumonia .. .. .	..	..	3	..	..	3
	Pyloric Stenosis .. .. .	..	..	2	..	..	2
	Scald .. .. .	..	..	1	..	..	1
	Scurvy .. .. .	..	..	1	..	..	1
	Umbilical Hernia .. .. .	..	..	1	..	..	1

Section VII.

Milk (Special Designations) Orders, 1936-41

At the time of this report there were 3,032 "Accredited" and 414 "Tuberculin Tested" milk licences in force in the County.

A very satisfactory feature of the year under review is the number of requests received from farmers for visits to be made to their farms with a view to assisting them to qualify for the issue of a licence to produce Tuberculin Tested milk. There is no doubt that throughout the County generally there is intense interest in Tuberculin Tested milk production and the policy of building up tubercle free herds is being pursued with vigour.

It is satisfactory to note that in connection with the production of T.T. milk more producers are becoming interested in bottling the milk at the farm for sale as "Tuberculin Tested Milk (Certified)". This of course ensures the minimum handling of the milk with consequently less risk of contamination and approaches the ideal of pure milk being supplied direct from the farm to the public.

In the important work of obtaining a safe milk supply close co-operation between the various authorities is imperative. Without such co-operation overlapping of duties can arise with consequent lack of efficiency and annoyance to farmers and officials alike. Fortunately there has always existed the greatest co-operation and good feeling between the responsible officials of my Department and the District Sanitary Officers and Ministry of Agriculture Officials, and this same co-operation based on mutual aims now exists with the officials of the rapidly expanding National Milk Testing and Advisory Service.

While there may be a tendency for District Sanitary Officers to feel that once a farmer has been issued with a licence to produce a Special Designated Milk, the supervision of that farm becomes the special province of the County, it cannot be too strongly emphasised that this is not so. In every case the local Sanitary Authority retains full powers of inspection and sampling and indeed is the Authority responsible for the administration of the important Milk and Dairies Order, 1926, together with its amendments.

The whole scheme of Accredited and Tuberculin Tested milk production depends for its maximum efficiency on the regular visits to licensed farms by the local Sanitary Inspector with a view to ensuring that all Articles of the Milk and Dairies Order, 1926, are being complied with, for it is the requirements of this Order which form the basis on which the further requirements of the County Council are built and it is only by the co-operation of the local Sanitary Inspector in ensuring compliance by each farmer in his District with the requirements of the Milk and Dairies Order that the full benefits to the community of the Milk (Special Designations) Order can be obtained.

Five Accredited milk licences were revoked during the year by the Milk and Dairies Committee of the County Council. In each case non-compliance with the requirements of the Milk and Dairies Acts and Orders was combined with repeated failure of the milk to pass the prescribed tests.

All heat treatment plants in the County have been visited twice each month. Samples of the processed milk taken at the time of visit have consistently passed the prescribed tests showing a very high standard of plant operation. During the year two new plants have come into operation making a total of eighteen in the County area.

Section VIII.-Food and Drugs Act, 1938.

The Chief Inspector of Weights and Measures (Mr. Stacey Hallard) appends the following report on the work of his Department in so far as it relates to the administration of the Food and Drugs Act, 1938, respecting the sampling of foods and drugs.

Under this Act the County Council is the "Food and Drugs Authority" for the whole of the administrative County of Cheshire with the exception of the Municipal Borough of Crewe, and the number of samples obtained and submitted to the County Analyst for analysis is based on the population of any given area. Each Borough, Urban District or Rural District is systematically covered by the Sampling Officers and during the year under review 2,003 samples of Food and/or Drugs were obtained, of which 146 failed to reach the recognised standard of purity. Whilst far too many of the non-standard samples were reported against on account of deliberate adulteration, nevertheless a large number of the deficiencies were due to causes completely outside the control of the seller.

For convenience it is well to consider the milk samples separately from the samples other than milk. The 1,168 milk samples were obtained mainly from retailers selling in the streets, although quite a number were taken from farmers whilst their milk was in transit from the farm to one or other of the numerous Dairy Companies scattered throughout the County. In these latter cases the sampling is the direct result of information received from the Dairy alleging that certain of their supplying farmers are consigning to them milk of an inferior quality. Steps are then taken to obtain official samples either at the farm or during transit from the farmer to the Dairy and it usually transpires that the complaint was justified.

The number of milk samples certified against from all sources totalled 122 and included the following:—

- 44 contained added water;
- 44 were deficient in fat;
- 34 were deficient in non-fatty solids.

The ease with which milk can be adulterated makes it particularly vulnerable to the evil-doer, and only by much heavier fines, or in suitable cases a sojourn in jail, will the activities of these people be reduced.

The amount of added water found varied from a minimum of 2.2 per cent. to a maximum of 45.8 per cent. and it will be seen from the few typical instances given below that the practice of adding water to milk is far too prevalent.

An Inspector purchased a pint of milk from a retailer's vehicle in the street and it was subsequently found to be adulterated with 11.4 per cent. of extraneous water. It was ascertained that the retailer received milk from five different farms and that it was delivered at his dairy each morning. Accordingly the next day the Inspector waited outside the Dairy and intercepted the delivery of nine churns containing the produce from five different farms. The Inspector took representative samples of the milk from each farm and it was discovered that all were genuine except one which contained 16.9 per cent. of extraneous water. This farmer was duly prosecuted but the Justices dismissed the case on a technical point. However, the County Council appealed to the High Court and in allowing the appeal the Lord Chief Justice said "The case must go back to the Magistrates with the intimation that the offence was proved." The re-hearing of the case has not yet taken place.

Another case also resulting in an appeal to the High Court concerned a farmer who supplied a Dairy Company with milk. On a certain Monday morning a sample was taken from each of two churns a carrier was delivering at the premises of the Dairy Company and these were later found to contain 22.3 and 19.4 per cent. of extraneous water, respectively. The following morning (Tuesday) the Inspector again attended at the Dairy and took two more samples; these proved to contain 26.1 and 26.3 per cent. of extraneous water, respectively. On the following day (Wednesday) the Inspector again waited outside the supplier's farm and when the farmer placed the churns on the stand at his farm gate (in readiness for collection by the carrier) the Inspector took samples on the spot. These proved to contain 25.1 and 20.4 per cent. of added water. Summonses were issued in respect of all six samples and the Magistrates ordered the farmer to pay total fines and costs amounting to £25. 15s. 0d. in respect of the two samples taken at the farm gate, but, on a technical point, dismissed the four summonses in respect of the samples taken on arrival at the premises of the Dairy Company. In view of this the County Council asked the Justices to state a case for the High Court and in due course the Lord Chief Justice in allowing the appeal used these words:—" . . . the case goes back with an intimation that in all cases the provisions of the Act have been complied with." The Justices subsequently re-heard the summonses they had dismissed and fined the defendant a further £40 and ordered him to pay £4. 4s. 0d. costs.

An unexpected analysis was disclosed following the taking of a sample of milk from a retailer who was carrying a three-gallon hand can. The milk was certified by the County Analyst as being "very rich in cream content adulterated with 10.5 per cent. of extraneous water." Actually the sample contained a cream content of practically double the figure required for standard milk! No proceedings were instituted on account of the water as it was felt that it would have been a difficult matter to convince the Magistrates that a sale "to the prejudice of the purchaser" had taken place when, in spite of the water, the milk was of higher food value than milk of standard quality.

A bottle of milk purchased from a retailer in the street led to his supplier appearing in the Magistrates' Court. The milk in the bottle was found to be adulterated with 12 per cent. of extraneous water and accordingly two days later, by arrangement with the retailer, the Inspector accompanied him to the farm when he went to pick up his supply. Five churns of milk which awaited the retailer were sampled two of which were found to contain added water amounting to 7.4 and 7.6 per cent. respectively. Corresponding "appeal to cow" samples taken at the farm next day proved to be genuine. The producers (two partners) subsequently paid £7. 2s. 0d. in fines and costs.

An Inspector stopped a man and his wife on their milk round and asked for a pint of milk. The wife served a pint from a churn containing about five gallons. After the usual formalities of dividing and sealing the sample the Inspector asked what was in another churn on the cart and the man replied "It is the same as the other." Needless to say the Inspector was far from "green" and demanded a sample out of the second churn also. Upon analysis the first sample proved to be genuine but the second contained 23 per cent. of added water! The Magistrates subsequently imposed a penalty of £5 in this case.

In another case the Inspector saw a horse and milk float draw up at a cottage, and, on asking for a pint of milk, was served from a three-gallon hand can. There were three other vessels containing milk on the vehicle and the Inspector took a sample from each. All the samples contained extraneous water varying in amount from 4.7 to 12 per cent. The retailer was subsequently fined £5 on each of four charges together with £4. 4s. 0d. costs—a total of £24. 4s. 0d.

Regarding the non-standard samples other than milk, the following is a brief summary of the 24 samples reported against together with the analysis shown in parenthesis:—

Honey Cough Syrup (Contained 0.2 per cent. of Chloroform instead of 0.4 per cent. declared on the label). This deficiency was undoubtedly due to the volatile nature of the component.

Iodine Ointment (18.7 per cent. deficient in iodine). Upon investigation it was found (from code letters on the jar) that this particular article had been in the shop for over 20 years and no doubt such prolonged storage was the cause of the deficiency.

Sausages (Contained 150 parts per million of undeclared sulphur dioxide preservative). This was an informal sample, i.e. the seller was unaware that a sample had been purchased for analysis. See next sample.

Sausages (Contained 165 parts per million of undeclared sulphur dioxide preservative). This was a corresponding formal sample purchased at the same shop as the previous sample. Prosecution followed and seller was fined £2 and 10/6d. costs.

Sausages (Contained 150 parts per million of undeclared sulphur dioxide preservative). This was an informal sample purchased unknown to seller. See next sample.

Sausages (Contained 180 parts per million of undeclared sulphur dioxide preservative). This was a formal sample purchased at the same shop as in the previous sample. Prosecution followed and seller was fined £1 and 10/6d. costs.

Powdered Gelatine (Contaminated with lead to extent of 16 parts per million). Sample was purchased informally from retail shop and subsequently traced through to the Manufacturer who was cautioned.

Fruit Cup (23 per cent. deficient in sugar). The deficiency contravened the Soft Drinks Order and full particulars were sent to the appropriate section of the Ministry of Food.

Syrup of Figs (Contained 0.16 per cent. of Chloroform instead of the 0.41 per cent. declared on the label). Deficiency was due to volatility. Manufacturers cautioned.

Sausages (Contained 140 parts per million of undeclared sulphur dioxide preservative). An informal sample. See next sample.

Sausages (Contained 200 parts per million of undeclared sulphur dioxide preservative). This was a corresponding formal sample to the last one above mentioned and resulted in the shopkeeper being fined 5/- and 10/6d. costs.

Pepper (Adulterated with 80 per cent. wheat farina). Three samples in all were purchased in investigating the original sale of this adulterated pepper. Legal proceedings were instituted but the case was dismissed. The defence alleged that pepper *seasoning* had been supplied even though the article was invoiced in error as "pepper."

Sausages (Contained 200 parts per million undeclared sulphur dioxide preservative). This was an informal sample purchased at a grocer's shop. On subsequent attempts to obtain a corresponding formal sample it was found that a Statutory Notice declaring the presence of the preservative, was displayed in the shop.

Liquorice and Menthol Tablets (45 per cent. deficient in menthol). This deficiency was no doubt largely due to volatilisation although the possibility of the menthol not being thoroughly mixed in the course of manufacture was not overlooked. The Manufacturers were cautioned.

Mint (Dried) (Heavily contaminated with ten parts per million of arsenic (expressed as arsenious oxide) equal to 1/14th of a grain per pound, which is far in excess of the limit prescribed). This was an informal sample purchased at a retail shop. Investigation showed that the source of contamination was obscure, though it may have been due to the effect of fumes from coke in the course of drying, or on the other hand the arsenic may have been absorbed from the soil during growth of the mint.

Sausages (Contained 225 parts per million of undeclared sulphur Dioxide preservative). This was an informal sample obtained from a grocer; three subsequent attempts were made to obtain a formal sample but on each occasion a Statutory Notice, declaring the presence of the preservative, was displayed.

Whisky (Contained 9.1 per cent. of excess water). This was one of a number of spirit samples specially purchased during the Christmas season. The seller was fined £5 and £1. 1s. 0d. costs.

Powdered Gelatine (Gelatine of inferior quality, deficient in setting power). Manufacturer unknown; no action taken.

Rum (Contained 6.9 per cent. of excess water). This sample was one of a number of spirits purchased at Christmas time (as in the whisky above-mentioned) and the seller was fined £1 and £1. 1s. 0d. costs.

Seidlitz Powder Extra Strong (20 per cent. deficient in tartaric acid). This article was packed by a well-known firm and the only possible solution to the trouble appeared to be a temporary breakdown in the packing machinery. The Manufacturers were cautioned.

Sulphur and Yeast Tablets (Deficient in sulphur to the extent of 26 per cent.). This and the following informal sample were purchased at the same retail shop.

Sulphur and Yeast Tablets (Deficient in sulphur to the extent of 21 per cent.). It was not possible to trace the cause of the deficiency in these tablets, which were made by a firm of repute. The Manufacturers were cautioned.

In conclusion it is interesting to note the following comparative percentage of adulteration during the last ten years:—

<i>Year.</i>	<i>Percentage of samples Certified as non-standard.</i>
1938	5.4 per cent.
1939	6.5 per cent.
1940	9.0 per cent.
1941	11.5 per cent.
1942	11.5 per cent.
1943	8.3 per cent.
1944	8.2 per cent.
1945	5.7 per cent.
1946	7.2 per cent.
1947	7.2 per cent.

Section IX. Mental Deficiency

Particulars of Mental Defectives as on 31st December

A. Number of Cases "Subject to be dealt with":—

1. Under "Order":—

		1946			1947		
		M.	F.	T.	M.	F.	T.
(a) (i) In Institutions (excluding cases on Licence)—							
Under 16 years of age ..	25	17	42	26	19	45	
Aged 16 years and over ..	199	165	364	201	161	362	
(2) On Licence from Institutions—							
Under 16 years of age ..	—	—	—	—	1	1	
Aged 16 years and over ..	15	25	40	15	29	44	
(b) (1) Under Guardianship (excluding cases on Licence)—							
Under 16 years of age ..	—	—	—	—	—	—	
Aged 16 years and over ..	1	—	1	1	—	1	
(2) On Licence from Guardianship—							
Under 16 years of age ..	—	—	—	—	—	—	
Aged 16 years and over ..	—	—	—	—	—	—	

2. In "Places of Safety":—

Under 16 years of age ..	1	—	1	—	—	—	
Aged 16 years and over ..	—	—	—	—	—	—	

3. Under Statutory Supervision .. 568 501 1069 673 551 1224

4. Action not yet taken under any of the above headings (in receipt of Poor Law Relief, domiciliary) 36 41 77 37 42 79

B. Number of Cases who may become "Subject to be dealt with":—

(1) In Institutions or under Guardianship—dealt with under Sec. 3:—

(a) In regard to whom the Local Authority contributes under its permissive powers — 1 1 — 1 1

(b) Maintained wholly by parents, relatives or others 27 9 37 26 11 37

(2) Reported to the Local Authority from any reliable source, but as to whom no action has been taken — — — — — —

(3) Under Voluntary Supervision — — — — — —

Ascertainment

The methods of ascertainment were the same as in previous years. Every effort is made to obtain particulars of all mental defectives in the County. Health Visitors, District Nurses, Relieving Officers, Head Teachers, parents and various officials report cases, and all persons whose work makes defectives known to them are well aware of the Authority to which information should be supplied.

**Provision of Institutional Accommodation (Excluding Cases
on Licence) at 31st December**

			1946			1947	
<i>Institution for Defectives provided by the State—</i>	M.	F.	T.	M.	F.	T.	
Rampton State Institution, Retford ..	—	1	1	—	1	1	
<i>Institution provided for Defectives by Cheshire Joint Board—</i>							
Cranage Hall	93	118	211	95	115	210	
<i>Institution provided for Defectives by Cheshire County Council—</i>							
Mary Dendy Homes, Alderley Edge.. ..	69	26	95	70	25	95	
<i>Institution provided for Defectives by other Local Authority—</i>							
Calderstones (Lancashire Mental Hospitals Board)	3	—	3	3	—	3	
<i>Other Certified Institutions for Defectives—</i>							
Besford Court, Worcester	—	—	—	—	—	—	
Brentry Colony, Bristol	5	—	5	5	—	5	
Dovecot, Knotty Ash, Liverpool	—	1	1	—	—	—	
Durran Hill, Carlisle	—	—	—	—	1	1	
Gillibrand Hall, Chorley	—	2	2	—	2	2	
Hillside, Buntingford	1	—	1	1	—	1	
Lisieux Hall, Chorley	1	—	1	1	—	1	
Pontville R.C. Inst., Liverpool	—	—	—	—	—	—	
Princess Christian's Farm Colony, Hildenborough, Kent	—	1	1	—	1	1	
Royal Albert Institution, Lancaster	4	6	10	4	6	10	
Royal Earlswood Institution, Redhill.. ..	1	—	1	1	1	2	
St. Mary's Home, Alton	—	1	1	—	1	1	
St. Raphael's Colony, Brentford	1	—	1	1	—	1	
Stoke Park Colony, Stapleton, Bristol ..	10	8	18	11	6	17	
Swinton Home, Manchester	—	2	2	—	2	2	
Totterdown Hall, Weston-super-Mare ..	—	—	—	—	—	—	
Whittington Hall Chesterfield	—	2	2	—	2	2	
<i>Certified Public Assistance Institutions—</i>							
Arclid House, Sandbach (Cheshire C.C.) ..	33	8	41	31	10	41	
The Lodge, Caersws (Montgomeryshire C.C.)	—	2	2	—	2	2	
Seafeld House, Seaforth (Lancashire C.C.)	2	—	2	2	—	2	
Ashton House, Birkenhead (Birkenhead C.B.)	—	3	3	—	2	2	
Tranmere	—	—	—	—	1	1	
Total	223	181	404	225	178	403	

For detailed information on the Mary Dendy Homes see Section XI.

Guardianship

At the 31st December, 1947, there was 1 case under Guardianship, as compared with 1 at the end of 1946. All necessary care is exercised in the approval of Guardians, and in suitable cases the provisions of Section 30 (e) of the 1913 Act have been utilised.

Supervision

Statutory supervision is carried out by the County Health Visitors, who visit each case several times during the year and report quarterly on their visits. There were 1224 cases so supervised at 31.12.47, compared with 1069 at 31.12.46.

Occupation Centres

There are no occupation centres in the County, which is mainly rural in character, but use is made of neighbouring County Borough facilities.

Licence, Discharge and After-Care

At the end of 1947 there were 45 cases on licence from Institutions and none on licence from guardianship, as compared with 40 and none at 31.12.46. The care exercised in the selection of cases and regularity of visitation has resulted in the success of the Council's policy under this heading.

Eight cases who had been on licence from an Institution were discharged during the year under review.

Section X.-Welfare of the Blind

General

The requirements of the Blind Persons Acts, 1920-38, were met by the Council in its revised Scheme for the Welfare of Blind Persons, dated May, 1931. The provisions of this Scheme were executed, subject to the general administrative supervision of the Blind Persons Inter-Sub-Committee of the Council, by the Blind Welfare Societies at Chester, Ashton-under-Lyne and Macclesfield, which received annual grants in accordance with the Scheme of the Minister of Health under the Local Government Act, 1929. The closest co-operation was maintained with these Societies, and the various services rendered by them continued to be entirely satisfactory.

Certification

To ensure that no person's name is placed on the register without the certificate of a medical practitioner with special experience in ophthalmology, all applicants were examined by the County Oculists. Those who wished were examined a second time under the Medical Referee Service—conducted jointly with the Northern Counties Association—by independent Medical Referees.

Statistics

Number of Registered Blind Persons in the County at
31st March

	1947
Under 5 years	2
5—16 years	20
16—21 years	8
21—40 years	107
40—50 years	92
50—65 years	266
65—70 years	127
70 years and over	482
Unknown age	3
Total	1107

Registered Blind Persons in County, aged over 16 years, employed,
or otherwise, at 31st March

	1947
Employed { in Workshops & Workrooms	26
{ as Home workers	26
{ variously	40
Unemployed	976
Undergoing Training	9

Workshop Employees

Annual grants were continued at a fixed rate per head to recognised Workshops for Cheshire employees. A "minimum wage" principle has been adopted for certain workers, their income being made up to a fixed amount. On this principle there was 1 male employee at Stockport and 1 male employee at Henshaw's at the end of 1947, while on the fixed rate system there were 5 males at Liverpool, and 2 females at Henshaw's.

Home Workers

The three voluntary societies arranged for the employment at home of those capable of it. Augmentation of 25/- weekly was given by the Council to all County approved Workers, who numbered 35 at the end of 1947.

Homes Residents

Annual grants in accordance with the Local Government Act Scheme were paid to several organisations at the rate of £13 a year and maintenance charges were also paid by the Committee. At the end of 1947, there were 6 Cheshire residents being so maintained in the Homes of the Manchester and Salford Society and 8 in the Homes of Henshaw's Institution.

National Library for the Blind

Grant at the rate of £50 a year was made in 1947 to the National Library for the Blind on behalf of each of 3 Cheshire Home Workers who were Blind Copyists for its northern branch, apart from the usual annual grant for general services, which are used by over 100 Cheshire residents.

Other Services

The usual annual grants were continued in 1947 to the National Institute for the Blind and the Northern Counties Association for their respective national and regional services.

Wireless Certificates

81 Certificates entitling the recipients to a free wireless licence were issued in 1947 to applicants on the register.

Necessitous Blind

In its Scheme under the Local Government Act, 1929, the Council made a declaration that all domiciliary assistance to necessitous blind persons should be henceforth

provided by virtue of the Blind Persons Act and not as Poor Relief. The Council's Scheme provided that the weekly income of every adult registered blind person should be increased where necessary to 45/-, and that of a married blind couple to 85/-, and that such persons should be eligible for extra grant on account of dependants.

In 1947 grants were made by the Blind Persons Inter-Sub-Committee in 178 cases, and withheld in 2. Grants reported as ceased, owing to death of recipient or otherwise, numbered 174.

At the end of the calendar year 1947, there were 730 weekly grants so made to blind persons in the County.

At the end of the financial year 1947-48, there were 735 weekly grants so made to blind persons in the County.

There were 6 deaths and 23 new grants subsequently, and the number of blind persons' grants transferred to the National Assistance Board at 5/7/1948 was 657.

Section XI.-County Institutions

REPORT OF THE MEDICAL SUPERINTENDENT OF CLATTERBRIDGE COUNTY HOSPITAL

The year 1947 has been a very busy one and in some ways a rather difficult one for the Hospital. Admissions exceeded 6,000 for the first time, and as the number of maternity cases actually decreased, it will be realised that the general work of the Hospital has increased very considerably. Fairly full details of this will be found in the statistical appendix, and in the reports kindly submitted by the visiting consultants.

Of the difficulties, the most troublesome feature has been the lack of nursing staff. This particular shortage is relative to the great increase in the work demanded of the nursing staff, as I mentioned in my annual report for 1946. Its effects have been manifold throughout the year.

It has given us the very difficult problem of deciding between overcrowding our wards or refusing patients admission. Two of our wards have for some time been set aside for chronically sick patients, but the pressure on this accommodation is very great. During the year no less than 453 patients over the age of 70 were admitted. The Public Assistance Department of the County Council have done their very best in transferring patients from the hospital to various of their Institutions, and this alone has made the admission of so many elderly patients possible. The question of actually closing wards fully occupied has been constantly in our minds, but so far we have not felt obliged to take this step. But it has meant that staff have been thinly spread over the hospital at times, and have often been able to give only the irreducible minimum of service.

We are endeavouring to lighten the burden of the nursing staff by employing orderlies, both men and women, on an increasing scale. We have also employed an increasing number of male nurses, with most satisfactory results. It is a constant source of disappointment to me that apart from the Heswall and Neston districts, so few nurses and student nurses come to us from the Wirral area. About 60 per cent. of the patients treated in the hospital come from the Bebington and Ellesmere Port areas—about 9 per cent. of the nursing staff come from these areas.

On the 7th May our association with the Birkenhead Corporation Pathological Department ended. We had then no pathologist attached to the Hospital until Dr. Hugh

McLean was appointed and took up his duties on the 1st October. We were greatly obliged to Dr. Grace of the Chester Royal Infirmary for helping to fill the interim, particularly in histological work. Quite apart from personnel there were also problems of equipment and furnishing, items of both being badly needed but difficult to procure. These are gradually being overcome.

Hutted Hospital

An additional hut, Hut 4, was opened as a ward in May of this year. It is occupied by acute medical patients under the care of Dr. R. R. Hughes. It now seems evident that little of the original proposals for the adaptation of the huts will be realised. The present position is that the two long huts (70 and 71) will be adapted for chronic sick patients, and 3 of the brick huts (10, 11, 12) for staff quarters, but work has not yet begun on this scheme. Hut 5, formerly the operating theatre and X-ray department for the huts before the Americans took it over, is now being re-adapted for these purposes with certain improvements, and is nearly ready for use. It should then be possible to use more of the wooden huts to relieve the congestion in some of the other wards to a certain extent.

One of the chief defects in the huts has been the lack of side ward accommodation. We hope to overcome this, partially at least, by a partition at the end of each of five of the huts. Work on this was begun in January, 1948.

Nurses' Training Schools

Prize-giving day was held on the 30th June when the medals and prizes were awarded by the Chairman, Mr. F. C. Baker, in the presence of a number of the members of the Committee, and of a great many friends. The ceremony was held in the Nurses' Recreation Hall.

Gold medallist	—Nurse J. Turner
3rd year prize	—Nurse C. Forster
Silver medallist	—Nurse R. Burrell
2nd year prize	—Nurse J. Coghlan.
Bronze medallist	—Nurse E. Roberts.
1st year prize	—Nurse A. Kinder

The results of the State examination have been very satisfactory this year, particularly in the Final examination. In the Final examination there were 30 entrants, all of whom passed. In the Preliminary examination only one entrant failed in both parts of the examination, 21 entrants passed both parts of the examination, 3 passed Part 1 only and 9 passed Part 2 only.

The staff of the Training School consists of Sister Sill and Sister Davies, the latter of whom rejoined us in February having successfully completed the course and examination for Sister Tutorship.

The Midwifery Training School also functions very successfully under the direction of Sister Murphy. There were 9 entrants for the examination, and all were successful.

Dr. Yeoman continues to lecture in the general Nursing School, while most of the lectures in the Midwifery School are given by Mr. Datnow.

The total number of days off duty from sickness among the student nursing staff during the year was 1,902. The average number of days off per member of staff was therefore 18.

Towards the end of the year, Matron, Mrs. A. M. Holbert, intimated her intention to resign as from 31st March, 1948. After 28 years' service she will leave with the good wishes, respect and affection of the entire staff.

Other events which should be mentioned are the very successful clinical meeting of the British Medical Association at the Hospital in May; recognition of the Hospital by the Royal College of Obstetricians and Gynaecologists as qualifying residents to sit its membership examination; the appointment of a full-time Occupational Therapist, Miss Tinne, and regular electro-cardiographic sessions at the Hospital. Quarterly meetings of the Consultant Staff were begun in January, and have proved very helpful to us all. Once again I have to thank Miss Field and her devoted helpers in the Library service. Patients greatly appreciate this service, which is done in a very kind and unassuming manner.

This report will be my last annual report to the present Hospital Management Committee of the Cheshire County Council, since under the National Health Act, 1946, control of the Hospital will pass to the Liverpool Regional Hospital Board in July, 1948. In conclusion therefore, I should like to take this opportunity of expressing my own thanks to the Hospital Management Committee for their consideration and sympathy at all times for everything affecting the efficiency of the Hospital and the welfare of its staff. To the officials of the Cheshire County Council in the various departments it is also a very pleasant duty to express our thanks, and particularly to the two successive County Medical Officers, my immediate chiefs, Dr. Ian Mackay and Dr. Arnold Brown.

Statistics relating to the year ending 31st December, 1947

IN-PATIENTS

TABLE 1 (a)

1. Total number of admissions (including infants born in hospital)	6059
2. Total number of women confined in Hospital	809
3. Number of Live Births (including twins)	777
4. Number of Still Births	32
5. Number of Deaths among the newly-born, i.e. under four weeks of age. (This figure relates only to children born in Hospital)	32
6. Total number of Deaths among children under one year (including those given under 5)	66
7. Total number of Maternal Deaths among women admitted to Hospital for confinement	2
8. Total number of Deaths	460
9. Total number of discharges (including infants born in Hospital)	5591
10. Duration of stay of patients, including (8) and (9)	
(a) Under four weeks	4800
(b) Four weeks and under thirteen weeks	1070
(c) Thirteen weeks or more	181
11. Number of beds occupied (excluding cots in Maternity Ward):—	
(a) Average during the year	400
(b) Highest, on 12/6/47	500
(c) Lowest, on 24/12/47	289

TABLE 1 (b)

TOTAL NUMBER OF NEW CASES.

Number of Admissions including births	1947	6059
Corresponding period	1946	5895
Number of discharges	1947	5591
Corresponding period	1946	5354
Number of deaths	1947	460
Corresponding period	1946	499
Number of Live Births	1947	777
Corresponding period	1946	886
Number of Still Births	1947	32
Corresponding period	1946	20
Number of patients in hospital	31/12/47	345
Corresponding period	31/12/46	334

TABLE 1 (c).

1. Number of Deaths within 24 hours of admission	29
2. Number of Deaths of patients over 70 years	125

TABLE 2

CLASSIFICATION OF IN-PATIENTS WHO WERE DISCHARGED OR WHO DIED IN THE YEAR ENDING 31st DECEMBER, 1947

					Children under 16		Men & Women.	
					Dis- charged	Died	Dis- charged	Died
A.	Acute Infectious Disease	..	..	..	9	—	5	2
B.	Influenza	..	..	..	1	—	3	—
C.	Tuberculosis							
	(1) Pulmonary	..	..	..	6	—	24	7
	(2) Non-Pulmonary	..	..	..	13	5	9	4
D.	Malignant Disease	..	..	..	—	—	139	92
E.	Rheumatism.							
	(1) Acute Rheumatism (Rheumatic Fever) together with sub-acute Rheumatism and Chorea	..	..	..	5	—	7	1
	(2) Non-articular manifestations of so-called Rheumatism (Muscular Rheumatism, Fibrositis, Lumbago and Sciatica)	..	..	..	—	—	21	—
	(3) Chronic Arthritis	..	..	..	—	—	32	3
F.	Venereal Disease	..	..	..	3	—	15	—
G.	Puerperal Pyrexia	..	..	..	—	—	16	—
H.	Puerperal Fever							
	(1) Women confined in Hospital	..			—	—	—	—
	(2) Other cases	..	..	..	—	—	1	—
I.	Other Diseases and Accidents connected with Pregnancy and Child-Birth	..			2	2	325	2
J.	Mental Diseases (1) Senile Dementia	..			—	—	1	—
	(2) Other	..	..	..	1	—	32	—
K.	Senile Decay	..	..	..	—	—	11	8
L.	Accidental Injury and Violence	..	..		77	—	316	17
<i>In respect of the cases not included above—</i>								
M.	Disease of the Nervous System and Sense Organs	..	..	..	42	8	163	52
N.	Disease of the Respiratory System	..	..		95	19	219	20
O.	Disease of the Circulatory System	..	..		11	3	280	102
P.	Disease of the Digestive System	..	..		321	20	794	34
Q.	Disease of the Genito-urinary System	..	..		56	—	403	34
R.	Disease of the Skin	..	..	..	35	1	109	—
S.	Other Diseases	..	..	..	93	7	369	8
T.	Mothers and Infants discharged from Maternity Wards and not included in above figures	..	..	..	759	9	756	—
U.	Persons not falling under any of the above headings	..	..	..	12	—	—	—
Totals					1541	74	4050	386

TABLE 3

OPERATIONS UNDER GENERAL OR SPINAL ANAESTHETIC

Abdominal.

Gastroectomy	00001110	00011110	00011110	00011110	00011110	00011110	25
Gastro-Enterostomy	00000010	00000010	00011110	00011110	00011110	00011110	5
Gastrostomy	00000000	00000000	00000000	00000000	00000000	00000000	4
Operations for perforated peptic Ulcer							15
Rammstedt's Operation			00000000	00000000	00000000	00000000	4
Gastroscoy	00000000	00000000	00000000	00000000	00000000	00000000	3
Intestinal anastomosis	00000000	00000000	00000000	00000000	00000000	00000000	5
Enterostomy	00000000	00000000	00000000	00000000	00000000	00000000	1
Caecostomy and Colostomy			00000000	00000000	00000000	00000000	25
Resection of small intestine			00000000	00000000	00000000	00000000	1
Resection of large intestine			00000000	00000000	00000000	00000000	6
Paul Mikulicz operation	00000000	00000000	00000000	00000000	00000000	00000000	1
Closure of Colostomy	00000000	00000000	00000000	00000000	00000000	00000000	6
Operations for Appendicitis			00000000	00000000	00000000	00000000	208
Operations for strangulated Hernia			00000000	00000000	00000000	00000000	23
Other operations for Hernia			00000000	00000000	00000000	00000000	108
Operation for intussusception			00000000	00000000	00000000	00000000	7
Meckel's diverticulum	00000000	00000000	00000000	00000000	00000000	00000000	1
Splenectomy	00000000	00000000	00000000	00000000	00000000	00000000	1
Laparotomy	00000000	00000000	00000000	00000000	00000000	00000000	42
Lumbar sympathectomy	00000000	00000000	00000000	00000000	00000000	00000000	6
Cholecystectomy	00000000	00000000	00000000	00000000	00000000	00000000	18
Other operations on biliary passages			00000000	00000000	00000000	00000000	5
Abdomino-perineal excision of rectum			00000000	00000000	00000000	00000000	8
Operations for Haemorrhoids	00000000	00000000	00000000	00000000	00000000	00000000	29
Sigmoidoscopy	00000000	00000000	00000000	00000000	00000000	00000000	4
Other operations on Rectum	00000000	00000000	00000000	00000000	00000000	00000000	14

Genito-Urinary.

Nephrectomy	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000
Operations for stone	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000
Renal sympathectomy	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000
Other operations on Kidney	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000
Partial cystectomy	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000
Suprapubic cystostomy	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000
Suprapubic prostatectomy	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000
Cystoscopy and/or retrograde pycelography	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000
Ruptured Urethra	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000
Dilatation of urethra	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000
Diathermy to bladder	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000
External urethrotomy	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000
Circumcision	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000
Undescended testes	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000
Hydrocele	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000
Varicocele	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000
Others	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000	9000-0000

Gynaecological.

Oophorectomy	14
Operation for ectopic gestation	2
Caesarean section	32
Hysterectomy	17
Myomectomy	3
Ventral fixation	3
Evacuation of Uterus	19
Insertion of Radium	13
Dilatation and curettage	64
Perineorrhaphy and other repair operations	27
Intra-uterine lipiodol	10
Therapeutic abortion	1
Bartholin	2
Diathermy to cervix	1
Sterilisation	2
Others	31

Ophthalmic.

Enucleation of Eyeball	4
Cataract Operation	7
Operations on ocular muscles	6
Other ophthalmic operations	2

Ear, Nose and Throat.

Submucous resection nasal septum	5
Removal of nasal polypi	1
Operations on accessory air sinuses	9
Tonsillectomy and/or Adenectomy	127
Oesophagoscopy	6
Mastoidectomy	21
Myringotomy	4
Turbineotomy	2
Aural polypi	1
Others	5

Orthopaedics and Accidents.

Operations for Compound Fractures	6
Removal of foreign bodies	6
Debridement and/or wound excision	7
Operations for osteomyelitis	2
Insertion of Smith Petersen Nail	9
Removal of Nail	4
Other operations for simple fractures	20
Ostectomy	15
Bone Grafting	4
Arthrodesis	4
Sequestrectomy	6
Mniscetomy	6
Kellar's Operation	10
Operations on tendons	6
Major Amputations	9
Minor Amputations	11
Manipulation and/or Application of Plaster	97
Steinman Pin	1
Others	26

Miscellaneous.

Radical Excision of Breast					5
Other Operations on the Breast					12
Thyroidectomy					17
Excision of Cervical Glands					6
Incision and/or Curettage of T.B. Glands					14
Curettages of Other Sinuses					1
Varicose Veins					35
Pilonidal Cysts					3
Biopsy					15
Skin Graft					25
Carbuncle					1
Drainage of Abscesses					100
Operations on Phrenic Nerve					3
Thoracoscopy					1
Bronchoscopy					12
Aneurysm					1
Operations for Empyema					6
Laminectomy					1
Decompression					2
Bronchial cyst					1
Meningocele					1
Operations on salivary glands					5
Miscellaneous minor operations					60

TABLE 4

MATERNITY DEPARTMENT.

Ante-Natal Clinic.

Total number of new patients					295
Total number of visits					1429
Average attendance per week					27
Average attendance per patient					5
Deliveries from Clatterbridge Ante-Natal Clinic					182
Deliveries from Ellesmere Port Ante-Natal Clinic					229
Deliveries from New Ferry Ante-Natal Clinic					273
Deliveries admitted as Emergencies					101
Deliveries from Other Sources (Runcorn Clinic)					9

Maternity Ward.

Total number of deliveries					794
„ „ primiparae					442
„ „ multiparae					352
„ „ live births					777
„ „ still births					32

Particulars of Still Births.

Cause.					Total
Unknown					2
Premature					3
Breech					1
Abnormalities					6
Cord Factor (prolapsed and pressure round neck)					7
Ante-Partum Haemorrhage					4
Toxaemia					2
Eclampsia					1
Diabetic					1
Positive Wassermans					3
Failed Forceps (from district)					2

Particulars of Still Births—contd.

Number of normal deliveries	665
Number of instrumental deliveries	70
Number of Caesarean Sections	32
Number of Breech deliveries	38
Number of Face deliveries	5

Perineal Repairs.

Episiotomies	83
2nd degree tears	47
1st degree tears	109

Inductions.

Medicinal	59
Instrumental	26

Maternal Deaths.

Cause.

Obstetrical shock	1
Acute Yellow atrophy	1

Neonatal Deaths.

Prematurity	17
Foetal abnormality	2
Atelectasis	3
Intra-cranial damage	1
Respiratory infection (Pneumonia)	9

Complications.

Toxaemia	48
Ante-partum haemorrhage	28
Puerperal pyrexias	8
Ophthalmia Neonatorum	2
Premature Births	81
Foetal abnormalities	9
Breast-fed Infants	616
Artificially Fed Infants	33
Complementary Fed Infants	97

Post Natal Clinic.

Number of Attendances	40
-----------------------	----

TABLE 5 (a)
OUT-PATIENT DEPARTMENT

(a) Attendances.

General	4660
Ophthalmic	278
Orthopaedic	1495
Ear, Nose and Throat	726
Artificial Pneumothorax	1748
Medical	2099
Gynaecological	219

11225

(b) Total number of new cases	3003
-------------------------------	------

TABLE 5 (b).
PHYSIOTHERAPY DEPARTMENT.

(a) Ward Cases					
Inpatients treated	.....	.....	.....	.....	1357
Treatments given	.....	.....	.....	.....	12221
(b) Outpatients	.....	.....	.....	.....	1418
Treatments given	.....	.....	.....	.....	7747
(c) M. O. P.	.....	.....	.....	.....	28

TABLE 6.
X-RAY DEPARTMENT.

Bone work	.....	.....	.....	.....	.....	2591
Renal	.....	.....	.....	.....	.....	463
Chests	.....	.....	.....	.....	.....	3849
Gall Bladders	.....	.....	.....	.....	.....	326
Barium Meals and Enemas	.....	.....	.....	.....	.....	520
Pregnancies	.....	.....	.....	.....	.....	216
						<hr/> 7965
Approximate number of films	.....	.....	.....	.....	.....	54755

REPORT BY THE CONSULTING SURGEONS

The past year has seen the success of the appointment of two Surgeons to carry out the work of the surgical department of the Hospital. There is more than an adequate amount of work, having in mind the increasing growth of the out-patient department, to keep the two Visiting Surgeons fully occupied.

It is with regret that we hear of the resignation of Sister Langley, Sister-in-charge of the theatre for many years. There is still, unfortunately, a lack of sufficient nurses.

The institution by the Medical Superintendent of occasional meetings of the Visiting Staff is of considerable help, as well as making the staff feel that they are a united body working for the Hospital.

In the early part of the year we were greatly hampered by the lack of adequate pathological facilities, and the appointment of a Pathologist improved the position at once. However, the laboratory is now only in the early stages of expansion, and its full development will greatly facilitate the conduct of modern surgical practice.

REPORT BY THE CONSULTING ORTHOPAEDIC SURGEON

The prolonged frosty period at the beginning of the year produced a larger number than usual of major fractures in very old patients. The care of these frail people in splints or plasters was a considerable tax on our nursing resources and the skill of the physiotherapy department. Later in the year came the epidemic of infantile paralysis, and of these cases we had a share, not perhaps as large as we should have liked but enough to give a very valuable stimulus to all concerned in their treatment. There is no doubt that it has taught the staff a great deal, and has been a great source of interest and further study. Its lessons have not been in vain.

We are still looking forward to the day when the huts will be ready for use as orthopaedic wards. Treatment is always better when orthopaedic patients are grouped together as a unit. The nursing becomes more expert, and the morale of the patients improves when they are not in contact with cases of hospital illness. There will be the great additional advantage that we shall be able to run these huts almost as open-air wards with all the benefits of fresh air and sunlight. Complaints are frequently made that the situation of Clatterbridge in the open country makes it inconvenient and inaccessible; it would, therefore, be regrettable if we did not make the most of the advantages which this situation confers and treat our patients in the open. Orthopaedic patients benefit from this more than the others. It is hoped that in future we shall have greater numbers of long-stay cases, especially surgical tuberculosis. The Hospital is admirably suited for the treatment of these cases, and the sooner we have the accommodation for them the better.

REPORT OF THE CONSULTING PHYSICIANS

In view of the increasing demand for beds and the marked shortage of nursing staff, further increased facilities should be made available for the investigation of out-patients. If it were possible to investigate the gall bladder and renal tract from the Out-patient Department we feel that many beds would be saved. It may, of course, be necessary to have additional staff in the Radiological Department.

We feel that a successful appointment system for the Out-patient Clinics would be a great advantage. We appreciate that it would require an increase in clerical staff, and that it might be difficult at the Clatterbridge Hospital owing to its geographical situation.

The clinical meeting last year was so great a success that it would be an advantage if further such meetings could be organised. We feel that meetings should be organised in conjunction with the Liverpool Medical Institution for practitioners in the area, and also private meetings organised for the hospital staff. We appreciate that these meetings entail an enormous amount of work, but their scientific value cannot be denied. It is to the advantage of patients, nursing staff and doctors.

We note with satisfaction that arrangements are being made for the appointment of a Paediatrician to the Hospital. The establishment of a department for diseases of children, suitably equipped and staffed, is long overdue and we hope that this speciality will be developed in the Hospital. A special out-patient clinic should be organised.

We should like to acknowledge our indebtedness to Dr. Wilkie and his staff—medical, nursing, clerical and domestic—for their invaluable assistance, without which our work would not be a pleasure.

REPORT BY THE CONSULTING RADIOLOGIST

The work in this department continues to grow. There is an appreciable increase in the number of cases radiographed this year as compared with 1946. We are still without the second machine, which has been ordered for some time, and which is to be installed in the hutted department. At the time of writing, however, signs of activity in this direction are actually visible, so that within the next month or two this machine should be installed and its value very obvious in relieving the congested state of this department.

It is true, of course, that we shall be able to handle a greater number of patients when the new apparatus is installed, but I should like to stress that true hospital cases, both in and out-patients, must have first claim. Included in this group, of course, are the radiological examinations of the Staff. This year 711 such examinations—nearly all chests—were carried out, and this is a not inconsiderable amount of 'incidental' work.

There has been no serious stoppage in the working of the department due to any breakdown of apparatus. There has been no major change in the personnel throughout the year, but we have had an additional full-time typist appointed, and this has proved of very considerable help not only to me but in the efficiency of the whole department, throughout which, I am pleased to be able to confirm, harmony continues.

REPORT BY THE CONSULTING EYE SURGEON

Work has proceeded smoothly both in the Out-patients and in the Theatre, thanks to the capable management of the Sisters-in-charge and their staffs.

The numbers attending Out-patients were 278 and operations done in the Theatre were 19.

Many in-patients were seen by me in the Department and in the Wards, referred to me by my colleagues. I find the copy of the Specialist's letter to the Doctor a quick and intelligible means of finding out all about the patient and I hope this practice will continue. During the year I have given lectures on eye-conditions to the nurses.

For the benefit of any lay readers I should like to stress, as I did last year, the importance of seeing children with squints as soon as the condition develops, for then much can be done to prevent amblyopia or "laziness" in the crooked eye.

REPORT BY THE CONSULTING DERMATOLOGIST

I should like to mention that I feel it would be a great asset to the whole Institution to have a superficial X-ray therapy set installed. It would, I feel sure, shorten the stay in hospital of a number of the skin cases, and help us very materially with the difficult ones. Personally, I feel the present arrangement of sending cases to the Radium Institute for a few minutes' treatment is a most uneconomical method of carrying out the work, particularly when one considers the transport which is necessary.

I should also like to say what a great help it has been to me to have a secretary to take down my notes, both in the Out-patient Department, and going round the wards.

REPORT OF THE MEDICAL SUPERINTENDENT OF WEST PARK COUNTY HOSPITAL, MACCLESFIELD

This is the eighth Annual Report of the Medical Superintendent since the appropriation of the Institution as a Public Health (County) Hospital. A comparison of the figures for this year with last year's shows a slight all-round increase, but, with the limited accommodation and the absence of any programme of extension, it is almost certain that these figures have now reached their maximum, and no further increase in the amount of work done can be expected. After July

5th 1948, this Hospital will be one of a group of six administered by a Management Committee under the Regional Hospital Board, and it is clear that a complete re-organisation of the work will become necessary. As far as West Park Hospital is concerned, we have now reached the limit of improvisation. During the year a considerable increase in the amount of acute surgical work was noticed and a great strain was imposed upon the resources of the Operating Theatre facilities available.

PATIENTS.

Maternity.—This Department continues to be the busiest in the Hospital, the average bookings now being roughly 60 per month. No obstetrical emergencies were refused admission during the year. The total number of births was 725, compared with 587 in 1946. There were no maternal deaths in 1947 and no outbreak of gastro-enteritis amongst the infants. No special facilities are available for the nursing of premature infants. This is not satisfactory, as premature infants really need specialised nursing facilities. The bulk of the emergency work has been carried out by the Resident Obstetrical Officer, and the anaesthetics were given by the Junior Resident Medical Officer. The majority of the Caesarean Sections, of which there were 23 last year, were performed by the Medical Superintendent. There were 28 stillbirths, but this figure is not regarded as excessive when we consider that the Hospital takes most of the obstetrical emergencies from the eastern half of Cheshire.

Analysis of Surgical Work.

Mr. Thomas	—435.
Mr. Mercer	—241
Mr. Grocott	— 73
Mr. Rickards	— 53
Mr. Wainwright	— 10
Mr. Cox	— 9
Resident M.O.'s	— 98

Tonsils and Adenoids.—Operations for the removal of Tonsils and Adenoids were carried out by Mr. L. D. Mercer up to the end of the year, after which a full-time Ear, Nose and Throat Surgeon took over his duties. For a period of approximately 6 months, no tonsil and adenoid operations were performed on account of the epidemic of Infantile Paralysis and this omission is reflected in the operation figures for last year.

Physiotherapy.—The figures for the year show a further increase on those for 1946. The Management Committee agreed to the purchase of a short wave diathermy machine for this Department, but this has not yet been supplied.

Pathology.—During the year, plans were drawn up and submitted to the Ministry of Health for providing a Pathological Laboratory in the former Admission Block in the grounds of the Hospital. We are still awaiting the approval of the Ministry to proceed with this project. Dr. H. Stafford, who is Pathologist at Parkside Hospital, is to undertake the work in the new Laboratory when it is opened.

Much use this year, as last year, was made of the Blood Bank at Manchester. The Medical Superintendent would like to make a note of appreciation for the help and co-operation which the Bank has shown towards the Hospital at all times.

Chronic Sick.—Early in the year, permission was granted to the Medical Superintendent to limit the number of chronic sick admissions. This policy has been carried out, with the result that more beds became available for acutely ill patients. We have still, however, two large wards permanently occupied by chronic sick patients, but apart from the fact that all Hospitals are expected to take a proportion of this type of patient, they are regarded as an important part of the training of Nurses.

In January, thirty E.M.S. patients were transferred by arrangement to two Public Assistance Institutions in the County, and thirty Public Assistance patients, emanating from Macclesfield district, were received in exchange.

Clinics.—The figures for the Ante-Natal and Post-Natal Clinics again show an increase on the previous year. All the aforementioned Clinics are now carried out in the original Out-Patient Department. The Medical, Surgical, Ophthalmic, E.N.T., Gynaecological and Skin Out-Patients are held in the former Chapel building which was taken over and adapted as an Out-Patient Department.

BUILDINGS.

Following the approval of the Hospital as a Complete Training School for General Nursing, a Preliminary Training School was established in the former G. Block. The School comprises Practical Room, Lecture Room, Quiet Room, Sitting Room, and accommodation for ten Nurses. The rooms were adapted, decorated, and improved by the Hospital Staff and have proved eminently satisfactory. New furniture was provided in all the rooms.

The plans for alterations and improvements to the Operating Theatre have been approved by the Ministry of Health but work has not yet commenced. Incorporated in this plan were certain alterations recommended by the General Nursing Council, after a visit of their Representative in December 1946.

The plans for improving the Children's Department were deferred until the Regional Board took over the Hospital.

After protracted correspondence with the Ministry of Health, the plans for improvements to the Maternity Department were abandoned for two reasons: —

- (a) The considerable work involved, which would not be justified in view of the very small number of extra beds provided.
- (b) The difficulty of providing alternative accommodation for female medical and surgical acute cases while the alterations were being carried out.

Plans have been drawn up and submitted to the Ministry for the provision of a new Sterilising Room and Bathroom in the Verandah adjoining C. Ward.

Plans have been drawn up for widening the Hospital entrance, which is at present too narrow and represents a source of danger for patients and vehicles leaving or entering the Hospital. Work will be commenced when the Macclesfield Gas Department remove the Gas Meter at the Hospital entrance from its present site to the Cycle Shed.

The greater part of the body of the former Chapel was taken over to provide a new Out-Patient Department, entirely separate from the Ante-Natal Clinic. All Clinics, with the exception of the Ante-Natal, are held in this Department, but already, following the appointments of the Ear, Nose and Throat and Ophthalmic Surgeons and the Paediatrician, it is certain that this Department will prove inadequate in size for the rapidly expanding out-patient work at the Hospital.

New furniture has been purchased for the Maids' Quarters on D. Block.

The painting and decorating programme has been carried on, and the only Department which now requires complete re-decoration is the Maternity Department which is, however, proving difficult to tackle as the unit is always busy and the wards occupied.

A new hot-plate has been installed in the Nurses' Dining Room.

To cope with the increased work in the Laundry, resulting from the increased and more varied activities of the Hospital, the Twin Roll Calender Machine was extended to a four roll unit.

As baking in the Hospital has now been discontinued, the whole of the Bakehouse equipment, with the exception of the Ovens, has been disposed of. The Ovens are retained for use until the new large Cooker for the Main Kitchen is obtained and installed, as without them the cooking facilities would be inadequate.

The Boilerhouse chimney was badly in need of re-pointing and this work has been carried out.

The heating on K. Block (Male) has been improved and the Block divided into two separate wards, one for acute male medical and the other for acute surgical cases. The heating in the Mortuary has also been improved.

New motor pipes and a mixer have been fitted to the Recto Heating Plant. An Electric Drill has been installed in the Engineer's Shop, and an electric Saw Bench in the Joiner's Shop.

H. Block has been split up and is now treated as two separate wards. A Kitchen, with equipment, has been provided for the upstairs Ward.

The Heating Boiler at the West Bank Nurses' Home was extended and pipes fitted to the top storey bedrooms, thus fulfilling a long-felt want. Complaints are still received, however, concerning the coldness of the Bedrooms on the middle floor.

Work has not yet commenced on the new Nurses' Home and thus the lack of suitable accommodation for the Nursing Staff still exists. The unsuitable upper floors of D. and H. Wards still accommodate Nurses. New stair covering was provided for West Bank, Park Farm and the Hospital Nurses' Home.

Complaints were received from members of the Management Committee concerning the Boardroom, in which the monthly meetings are held, being cold. This trouble has now been corrected.

The various recommendations made by the General Nursing Council's Inspectors have been nearly all carried out, although certain articles of equipment have not yet been supplied. The Ministry of Health turned down the application for 10-gallon Gas Heated Water Boilers to be installed, one for each Ward. As a result, two only are to be installed, one for H. Block and one for the Nurses' Dining Room.

One and a quarter acres of land separating the Hospital grounds from the Vicarage in Chester Road have been purchased. Nothing has, as yet, been done with the land, but in the future it may be possible to provide an additional entrance to the Hospital on a main road.

STAFF.

Medical.—Permission was granted to appoint an additional Medical Officer and during the year three Medical Officers have been resident in the hospital. As in recent years, the Medical Superintendent has had the benefit of the advice of various Consultants on the staff.

Nursing.—As in other Hospitals, there is still a great shortage of trained nurses, particularly Sisters and Staff Sisters. We were fortunate in obtaining the services of a qualified Sister Tutor in October of last year, although the Preliminary Training School was officially opened on June 1st, 1947.

Training of Nurses and Macclesfield Infirmary.—Towards the end of the year, a discussion was held between representatives of the Macclesfield Infirmary and West Park Hospital, to consider the question of the training at West Park Hospital of Nurses employed at the Infirmary. A scheme was drawn up and presented to the General Nursing Council for their consideration. Following upon this, Inspectors from the General Nursing Council visited both Hospitals early in 1948.

Part-Time Nurses.—In spite of the country-wide propaganda for the employment of part-time Nurses in Hospitals, our experience in West Park was that the suggestion was not satisfactory, as although many came forward, few were suitable on account of their lack of nursing experience.

General Staff.—The Deputy Clerk and Steward was successful in obtaining a Senior post, and Mr. G. N. Manifould, Steward's Clerk, was promoted to fill the vacancy.

Mr. H. Tideswell, Steward's Clerk, was appointed Assistant Master of an Institution in Slough, Buckinghamshire.

A full-time Clerk has now been provided for the Matron.

With the extension of the Out-Patients' Department, it will be necessary to obtain additional clerical assistance in order to deal with the increased correspondence resulting from the clinics held by the various newly-appointed Consultants.

Domestic Staff.—The position concerning Domestic Staff, Cleaners, etc., shows no sign of improvement. In an endeavour to remedy the shortage of cleaners, an experiment has been tried in the recruiting of male Cleaners, some of whom have proved very satisfactory.

Nurses' Social Club.—The Nurses' Social Club has continued to flourish and provides much needed social and recreational facilities for the Nursing Staff.

The Tennis Court at West Bank Nurses' Home was in great demand during the Summer months, and it is hoped that some time in the future it will be possible to provide one or perhaps two hard Courts.

During the year a Cricket Section was formed for the Male Staff, and great enthusiasm has been shown by its members. The drawback to this Section is, of course, the lack of a suitable ground for practice.

Sutton Oaks.—Work by the Contractors continued at Sutton Oaks, but towards the end of the year, the Management Committee resolved that Sutton Oaks, when opened, should not be administered by the Public Health Department, but should be transferred to the County Estates Department with a view to their arranging for Sutton Oaks to be administered and controlled by another County Department.

The following table shows the number of nurses employed on December 31st, 1947, and indicates the vacancies, and those absent sick, or on leave:—

	Establishment.	Vacancies.	Absent ill or away.	Staff actually available.
Administrative	4	—	—	4
Trained Staff	29	13	—	16
Student Nurses	52	12	4	36
Male Asst. Nurses	6	2	—	4
Pupil Midwives	4	—	—	4
Female Asst. Nurses	6	1	—	5
	—	—	—	—
Total	101	28	4	69
	—	—	—	—

Examination Results

Preliminary State Examination—Parts 1 and 2.

February—6 entered—5 passed both parts.

1 passed Part 1 only.

June —1 entered—1 passed Part 2 only.

1 entered—Part 2—passed.

October —10 entered—Part 1—7 passed.

9 entered—Part 2—4 passed.

STATISTICS FOR 1947.
CLASSIFICATION OF IN-PATIENTS

	<i>Public Health</i>	<i>E.M.S.</i>
<i>Admissions</i>	2,191	10
<i>Discharges</i> (Including babies born in the Hospital)	2,697	38
<i>Births</i>	725	—
<i>X-Rays—Patients</i>	1,377	—
<i>Radiographs</i>	3,450	—
<i>Operations</i>	919	—
<i>Minor Operations</i> (not performed in Theatre)	300	—
<i>Massage Treatments</i>	9,823	—
<i>Pathological Examinations</i>	1,805	—
<i>Ante-Natal Attendances</i> ...	4,798	—
<i>Deaths</i>	156	1
<i>Stillbirths</i>	28	—

CLASSIFICATION OF IN-PATIENTS

(a) *Infectious Disease*

Measles	3
Whooping Cough	1
Pulmonary Tuberculosis... ..	4
Infantile Paralysis	1

(b) *Rheumatism*

Erythema Nodosum	2
Acute Rheumatic Fever	4
Fibrositis	6
Osteo-Arthritis	3
Rheumatoid Arthritis	1
Infective Arthritis of Elbow	1
Infective Arthritis of Hip... ..	1

(c) *Cardio-Vascular System*

Congestive Heart Failure	9
Coronary Thrombosis... ..	2
Cerebral Atheroma	3
Cardiac Decompensation	5
Myocardial Degeneration	12
Cerebral Thrombosis	6
Cardiac Failure	1
Mitral Stenosis	1
Rheumatic Carditis	1
Thrombo Angietis Obliterans	2
Arteriosclerosis	9

(d) *Respiratory System*

Broncho-pneumonia	21
Lobar Pneumonia... ..	8
Bronchiectasis	2
Asthma	17
Bronchitis	9
Pleurisy	2
Consolidation of Lung	1
Carcinoma of Bronchus	2
Collapse of Lung	1
Vasovagal attacks	1
Coryza	1
T.B. Pleural Effusion	2
Lung Abscess	1

(e) *Genito-Urinary System*

Sulphathiazole Anuria	1
Urinary Investigation	7
Phimosis	25
Stricture of Urethra	2
Functional Albuminuria	1
Renal Colic	2
Acute Balanitis	1
Enlarged Prostate	32
Papilloma of Penis	1
Urinary Retention	3
Hydrocele	5
Chronic Nephritis	10
Cystitis	3
Carcinoma of Bladder... ..	2
Polyserositis	1
Spermatocele	1
Pyelitis	7
Nocturnal Enuresis... ..	2
Ectopia Vesica	1
Orchitis	2
Haematuria	2
Seminoma of Testis	1
Hydronephrosis	1
Carcinoma of Prostate	4
Ureteric Calculus	1
Carcinoma of Kidney	1

(f) *Nervous System*

Disseminated Sclerosis	2
Subarachnoid Haemorrhage	3
Sciatica	6
Headaches	3
Trigeminal Neuralgia... ..	1
Cerebral Haemorrhage	6
Hysteria	1
Chorea	2
Adiposa Dolorosa	1
Anxiety State	4
Melancholia	2
Psycho-neurosis... ..	1
Hypochondria	1
Neurasthenia	1
Neurotic Vomiting	1
Hemiplegia	1
Meningitis	1
Lymphatic Meningitis	1
Amnesia	1

(g) *Digestive System*

Diverticulitis	4
Hernia	38
Gastritis	4
Gastric Ulcer	13
Food Poisoning	2
Pylorospasm	1
Acute Appendicitis	58
Carcinoma of Stomach	11
Carcinoma Transverse Colon	5
Strangulated Hernia	13
Haemorrhoids	8
Duodenal Ulcer	20
Gastric Investigation	29
Gastric Enteritis	5
Colic	1
Gall Stones	1
Intussusception	2
Carcinoma of Rectum	5
Cholecystitis... ..	11
Carcinoma Splenic Flexure	3
Pyloric Stenosis	1
Intestinal Obstruction	5
Indigestion	3
Umbilical Hernia	4
Hypochlorhydria	1
Malaena	1
Acute Enteritis	1
Incisional Hernia	1
Diaphragmatic Hernia	1

Digestive System—(Continued).

Threadworms	2
Dysentery	1
Adhesions	1
Constipation	6
Carcinoma of Oesophagus	2
Carcinoma Head of Pancreas	2
Visceroptosis	1
Dyspepsia	2
T.B. Peritonitis	3
Tabes Mesenterica	3
Crohn's Disease	2
Carcinoma of Liver	1
Cirrhosis of Liver	3
Polyserositis	1
Pelvic Abscess	1
Liver Abscess... ..	1
Obstructive Jaundice	1
Tape Worm	1
(h) <i>Skin, Boils, etc.</i>	
Boils	4
Carbuncle	2
Septic Inguinal Adenitis	3
Impetigo	3
Infective Scabies	2
Eczema	10
Pruritis	1
Abscess of Neck	9
Abscess of Groin	1
Naevus	1
Varicose Veins	4
Cellulitis	2
Adenitis	2
Glands of Neck	1
Implantation Dermoid	1
Rodent Ulcer	1
Varicose Ulcer	4
Ischio-Rectal Abscess	1
Dermatitis	3
Submental Abscess	1
Keloid Scars of Arm	1
Skin Graft	1
Pilonidal Sinus	1
T.B. Mandular Abscess	1
Purpura	1
Septic Hand	1
Gangrene of Foot	6
Septic Knee	1
Septic Thumb	1
Sore of Mouth	1

(i) *Venereal Disease*

Congenital Syphilis	1
Syphilis	1
For Investigation	22
Arsenical Jaundice	1
Ruptured Aortic Aneurysm	1

(j) *Injuries and Bones*

Amputation of Arm	1
Comminuted fracture of Patella ...	1
Colles fracture	2
Displaced semilunar cartilage	4
Burns	2
Compound Fr. Tibia and Fibula ...	8
Fractured ribs	1
Burns of Back and Legs	3
March fracture	1
Ganglion of Ankle... ..	1
Fracture Cervical Vertebra	3
Semi membranous bursa... ..	1
Fractured Femur	9
Fractured Humerus	2
Scalds	2
Fractured Spine	1
Compound fracture Radius and Ulna	3
Scalp wounds	1
Dislocated Thumb	1
Fractured Radius	1
Dislocated Shoulder	1
Ganglion of Feet	1
Cut Throat	1
Excision of Knee Joint	1
Sprain of Hip	1
T.B. Knee	1
Septic Arthritis	1
Injury to External Ligament	3
Wounds of lip and hand	1
Abrasions of Chest... ..	1
Sarcoma of Leg	1
Senile Osteoporosis	1
Injury to finger and Amputation ...	1
Injury to Hip	1
Abrasions	2
Fractured Ribs	2
F.B. in groin	1
Hallux Valgus	2
Fractured Finger	1
Pagets Disease	1
Fractured Pelvis	1
Fibrocystic Disease	1
Slipped Epiphysis	1
Sesamoid bones in Peroneal Tendons	1

(k) *Diseases of the Blood.*

Anaemia	6
Pernicious Anaemia	5
Haemorrhage after teeth extraction	1
Haemophilia	2
Acute Leukaemia	1
Microcytic Anaemia	1
Swelling of the Feet	1

(l) *General*

Diabetes Mellitus	19
Senility	10
Prematurity	2
Pyrexia of unknown origin	3
Alcoholism	1
Barbiturate poisoning... ..	1
Benzedrine poisoning	1
Pink's Disease	1
Myotonia Atrophica	1
Angio-neurotic oedema	1
Observation	1

(m) *Eye Conditions*

Interstitial Keratitis	1
Ophthalmia Neonatorum... ..	1
Conjunctivitis	1
Corneal Ulcer	2
Injury to Eye	1

(n) *Ear, Nose and Throat Conditions*

Enlarged Tonsils and Adenoids	248
Furunculosis of meatus of Ear	1
Ranula in Mouth	1
Mastoiditis	5
Chronic Neuro-labyrinthitis	1
Sinusitis Maxillary	4
Otitis Media	5
Nasal Polypi... ..	2
Acute Mastoid	3
Post-Auricular Abscess	1
Chronic Antrum	2
Emphyema Frontal Sinus	1
Acute Tonsillitis	5
Intranasal Antrostomy	1
Deflected Septum	1
Foreign body in the ear	1
Sub-maxillary abscess... ..	2
Sub-maxillary calculus	2

Ear, Nose and Throat Conditions—Cont.

Tinnitus... ..	1
S.M.R.	1
Carcinoma Ethmoid Sinus	1
Haematoma of Nose	1
Foreign body in the Throat	1
Cervical Adenitis	1
Cleft Palate	1

(o) Diseases of Women

Abortion	70
Functional Haemorrhage	2
Vulvo-vaginitis... ..	1
Hyperemesis gravidarum	2
Ovarian cyst... ..	9
Uterine Fibroids	9
D & C	16
Retroverted Uterus... ..	4
Septic Endometritis	1
Cervical Erosion	1
Carcinoma of the Breast	5
Breast Abscess	5
Urethral Caruncle	1
Dermoid Cyst	2
Therapeutic Abortion	1
Prolapse	18
Bartholins Abscess	5
Toxaemia of pregnancy	4
Lacerated Perineum	1
Retained products	1
Salpingitis	1
Carcinoma of Vulva	1
Urethral Laxity... ..	1
Carcinoma of Cervix	1
Chronic Mastitis... ..	1
Carcinoma of Ovary	1
Missed Abortion	8
Pelvic Cellulitis	1
Threatened Abortion	4
Cyst of Breast	1
Trichomonas Vaginalis	4
Carcinoma of Uterine Body... ..	8
Menorrhagia... ..	2
Acute Salpingitis	2

OPERATIONS—1947.

Breast Operations		Ear, Nose and Throat Operations	
Mastectomy for Cancer	6	Drainage of Parotid Abscess...	1
Mammary Abscess	5	Tonsillectomy	9
Cyst of Breast... ..	2	Caldwell Luc operation	3
Gynaecological Operations		Schwartz Operation	1
Colporrhaphy	11	Radical Mastoidectomy	3
Perineorrhaphy	4	Sub-Mucous Resection	2
Secondary Suture of Perineum	3	Antrostomy	3
Caesarean Section	1	Pack in Mastoid	7
Pan-hysterectomy	17	Adenoidectomy... ..	1
Insufflation of Tubes	4	Antral Lavage	2
D & C	74	Ts. & As.	248
Cauterisation of Cervix	3	Needling Sinuses	1
Evacuation of Uterus	7	Oesophagoscopy	1
Therapeutic Abortion	2	Exploration of Sinuses	1
Oophorectomy	6	Schwartz operation re-opened	1
Ventrosuspension	4	Excision of Ranula	1
Drainage of Pelvic Abscess ...	2	Secondary Suture Mastoid ...	1
Fothergill's repair of Prolapse	2	Removal of Nasal Polyp ...	2
Incision Bartholins Abscess...	1	Incision of Furuncle Aural	
Genito-Urinary Operations		Canal	1
Prostatectomy	18	Removal calculus Sub-Max-	
Transplantation of Ureters ...	2	illary Duct	1
Urethroplasty	1	Incision Haematoma Nasal	
Removal of Hydrocele	4	Bones	1
Cystoscopy	23	Cleft Palate	1
Circumcision	28	Orthopaedic Operations	
Bougies passed	15	Amputation of Leg	5
Spermatocele excised	1	Removal Popliteal Bursa ...	3
Supra-pubic cystotomy	34	Excision of Ganglion	1
Orchidectomy	2	Excision tumour of Ankle ...	1
Nephrectomy	2	Excision Stump of Arm	1
Removal Renal Calculus	2	Open Reduction Fractured	
Meatotomy	1	Leg	1
Excision of Scrotum	1	Removal Phalanx	1
Stomach and Intestines, etc.		Sutured Tendons	1
Intussusception	2	Removal Ganglia	1
Herniotomy	48	Cleaning Compound Fractured	
Strangulated Hernia	13	Forearm	1
Laparotomy	31	Manipulation and P.O.P. ...	46
Appendicectomy	47	Meniscectomy	2
Repair of Perforated D.U. ...	12	Removal Steel Splinter	1
Haemorrhoidectomy	9	Excision of knee	1
Cholecystectomy	6	Excision of Patella	2
Transverse Colostomy... ..	3	Keller's Operation	2
Incision Liver Abscess	1	Excision of Digit	1
Colostomy	3	Operations on Blood Vessels	
Caeostomy	4	Periarterial Sympathectomy	3
Excision of Fistula... ..	1	Trendelenburgs operation ...	6
Burst Abdomen Sutured	1	Operation on Chest	
Gastro-jejunostomy	1	Rib Resection	2
Resection of Ileum	2	Thyroid and Neck Operations	
Proctoscopy	2	Excision of T.B. Glands	4
Cholecysto-gastrostomy	1	Thyroidectomy... ..	4
Ischio-rectal abscess	1		
Rammstedt's operation	1		
Sigmoidoscopy	6		

OPERATIONS, 1947—*Cont.***Miscellaneous**

Incision of Abscess... ..	15	Cauterising Caruncle	1
Skin Graft	1	Removal of pack from Cleft	
Excision Sebaceous Cyst	4	Palate	1
Cleaning and Coag. Burns ...	3	Suture of Forehead	1
Incision Septic Fingers	8	Blood transfusion in Anterior	
E.U.A.	4	Fontanelle	1
Secondary Suture	1	Excision of Naevus	1
Injection Sacral Canal	7	Injection round Hernia Scar	1
Injection in Foot	1	Removal of Rodent Ulcer ...	1
Suturing Lip	2	Excision Epithelioma... ..	1
Removal of F.B. from Thumb	2		

PHYSIOTHERAPY REPORT FOR 1946.

No of Treatments Given

	Treat- ments	Attend- ances	Ad- missions	Dis- charges
Out-Patients	3414	1374	68	70
Ministry of Pensions...	1101	392	2	5
Education	328	184	7	13
In-Patients... ..	3002	1635	91	100
Staff... ..	302	134	16	17
Maternity Wards... ..	1676	172	—	—
	<hr/> 9823 <hr/>	<hr/> 3891 <hr/>	<hr/> 184 <hr/>	<hr/> 205 <hr/>

PATHOLOGICAL WORK

Bacteriological

Throat Swabs	28
Vaginal Swabs	38
Sputa... ..	40
Urethral and Cervical Swabs...	7
Swabs of Pus... ..	25
Pleural Fluid... ..	3
Catheter specimens of Urine	140
Examination of Faeces	65

Haematology

Blood Counts	230
Blood Sugars	77
Blood Urea... ..	131
G.C.F.T.... ..	30
Wassermans... ..	640
Special Blood Tests	36
Serum Calcium and Serum Protein...	52

Histological Examinations 67

Fractional Test Meals 30

Other Tests

Urea Concentration Tests	56
Cerebro Spinal Fluids	35
A.Z. Tests	23
Miscellaneous	52

Total ... 1,805

X-RAY DEPARTMENT

	West Park Hospital	Parkside Inst.	Total	Sum Totals
No. of Patients	1309	68	1377	1377
No. of Examinations ...	1509	78	1587	1587
No. of Radiographs... ..	3307	143	3450	3450
<i>Chests</i>	385	7	392	
Bronchographies	2	—	2	394
<i>Bones</i>				
Injury	259	24	283	
Disease	204	23	227	510
<i>Alimentary Tract</i>				
Plain Abdomens	38	—	38	
Barium Meals	108	2	110	
Barium Swallows	4	—	4	
Barium Enemata	24	1	25	117
<i>Gall Bladder</i>				
Plain Gall Bladders ...	15	2	17	
Cholecystographies ...	25	1	26	43
<i>Urinary Tract</i>				
Plain Urinary Tract ...	16	—	16	
Cystographies	2	—	2	
Pyelographies	40	—	40	
Retrograde Pyelographies	3	—	3	61
<i>Obstetric</i>				
Pregnancies	301	—	301	
Cystographies	5	—	5	306
<i>Skull</i>				
Cranium Bones	38	6	44	
Facial Bones	9	5	14	
Nasal Sinuses	25	3	28	
Dentals	6	4	10	96
	<hr/> 1509	<hr/> 78	<hr/> 1587	<hr/> 1587
<i>Fluoroscopies</i>				
Barium Swallows	4	—	4	
Barium Meals	108	2	110	
Barium Enemata	24	1	25	
Chests	5	—	5	
Bones	3	—	3	147

MATERNITY WARD

No. of Admissions	761
No. of Deliveries	725
Borough	299
County	325
Borough F.C.	26
County F.C.	75
Midwives, Deliveries	599
Doctors, Deliveries	125
Maternal Deaths	—
Stillbirths... ..	28
Infantile Deaths (10 days)	15
Premature Infants	48
Born before Admission	11
Emergencies	84
Post-Partum Haemorrhage... ..	17
Ante-Partum Haemorrhage	14
Post-Partum and Ante-Partum Haemorrhage	1
Medical Inductions	63
Part Artificial Feeding	124
Forceps Deliveries	75
Caesarean Section	23
Pre-Eclamptic Toxaemia	35
Eclampsia... ..	2
Retained Placenta	20
Manual Removal	16
Blood and Plasma	8
Breech Deliveries	32
Multipara Deliveries	315
Primipara Deliveries	399
Surgical Inductions	26
Spina Bifida	2
Hydrocephalic	3
Anencephalic	2
Hydrops Foetalis	1
Medical Aid	262
Twins	11
Fully breast fed on Discharge	548

SUMMARY

	P H.	E.M.S.	Total
Patients in Hospital, December 31st, 1946	141	31	172
Patients in Hospital, December 31st, 1947	204	2	206
Admissions... ..	2191	10	2201
Discharges... ..	2697	38	2735
Births	725	—	725
Deaths... ..	156	1	157
Operations	919	—	919

Average duration of stay—County Patients—30.8 days.

Average duration of stay—E.M.S. Patients—62.3 days.

Average number of beds occupied throughout the year—

Public Health—184.8.

E.M.S.—1.7.

Maternity

No. of Admissions	761
Deliveries	725
Emergencies	84
Instrumental Deliveries	75
Breech Deliveries	32
Caesarean Section	23
Toxaemia of Pregnancy	35
Eclampsia... ..	2
Stillbirths	28
Neonatal Deaths	15

No. of Mothers who attended Ante-Natal Clinics 630

Ante-Natal Attendances 4798

Pathological Department

Bacteriological	346
Haematology	1196
Histological	67
Fractional Test Meals	30
Other Tests	166
	<hr/>
	1805
	<hr/>

Physiotherapy

No. of Treatments 9823

X-Ray Department

No. of Patients	1377
No. of Radiographs	3450

Comparative Figures

	1944	1945	1946	1947
Admissions	1766	1917	2100	2191
Births	520	480	587	725
Massage Treatments... ..	3434	3788	7013	9823
Radiographs	3055	3333	3595	3450
Pathological Examinations ...	2153	1927	2325	1805
Ante Natal Attendances	3346	2831	4349	4798
Operations... ..	623	761	1029	919

REPORT OF THE MEDICAL SUPERINTENDENT OF THE MARY DENDY HOMES, ALDERLEY EDGE

Admissions

There were, on the 31st December, 1947, 275 males and 144 females—making a total of 419 patients—resident in the Homes.

During the year fourteen boys and eight girls came into the Homes as new admissions. Five male patients were admitted under the Provisions of the Mental Deficiency Acts. As these latter patients were already resident their discharges and re-admission were automatic. Three female patients were admitted as transfers from other Institutions.

The mental state on admission of the thirty patients was as follows:—

	M.	F.	Total
Imbecile	1	—	1
Feeble-minded	18	11	29
	<hr/> 19	<hr/> 11	<hr/> 30

Discharges

Twenty-two male patients and nine female patients were removed from the Homes during the year. Of the male patients, eighteen were removed to the care of relatives or friends and four were transferred to other Institutions. Seven female patients were removed to the care of relatives or friends and two were transferred to other Institutions.

Licence Cases

At the end of December, eleven male and ten female patients were out on licence.

Deaths

One death occurred during the year, that of an adult male patient; the cause of death was acute myocarditis. This gives a death rate of 0.23 per cent.

Age Classification

A classified list of ages of resident patients is shown in the following table:—

	M.	F.	Total
Under 16 years of age ...	61	36	97
16—20 " " " " ...	50	16	66
21—29 " " " " ...	76	34	110
30—40 " " " " ...	22	18	40
Over 40 " " " " ...	66	40	106
	275	144	419

General Health—Patients

Taken over the twelve months, the general health of the patients has been fairly good.

In the early months of the year an outbreak of German Measles took place amongst school-children, adult patients and Staff, but none of the cases were severe and no complications occurred. A number of Influenza cases also occurred, two of which were severe, in each case Pneumonia ensuing, but satisfactory recoveries took place.

Other cases of note during the year were:—

One adult male—severe scalding of the legs.

One adult male—gastric ulcer.

One adult male—fracture of the right arm.

One adult female—acute gastro-enteritis.

One school-boy—dislocated right shoulder.

One school-boy—Infantile Paralysis.

General Health—Staff

Taken generally, the Staff health has been satisfactory. A number of nurses suffered from Influenza, some from German Measles, and one nurse was under treatment for acute Nephritis. One House Matron received accidental scalding of the legs.

Staff

The Staff position during the past twelve months has been as follows:—

Additions to Staff.

- 10 Female Student Nurses.
- 8 Male Student Nurses.
- 1 Male Staff Nurse.
- 2 Sister Tutors.
- 2 Male Cooks.
- 1 Female Cook.
- 1 Assistant Painter.
- 1 Assistant Plumber.
- 3 Female Garden Attendants.
- 1 Gardener Attendant.
- 1 Assistant Gardener ("The Moss").
- 1 Farm Hand (Bostock Barns).
- 1 Poultry Woman.
- 1 Medical Superintendent's Secretary.

Resignations.

- 18 Female Student Nurses.
- 2 Female Staff Nurses.
- 1 Ward Sister.
- 1 Sister Tutor.
- 5 Male Student Nurses.
- 2 Female Cooks.
- 2 Female Garden Attendants.
- 1 Medical Superintendent's Secretary.

The causes of resignation of nurses were as follows:—3 left for domestic service; 3 for emigration to the U.S.A.; 2 to General Nursing; 2 to industrial work; 1 to office work; 1 to shop work; 1 returned home for domestic reasons; 1 for health be married; 1 absconded; 1 Ward Sister to be married, and 2 reasons; 1 to Orthopaedic Nursing; 1 to Mental Nursing; 1 to Staff Nurses went to General Nursing.

The causes of resignation of male student nurses were:—1 to Mental Nursing; 1 to General Nursing; 2 to industrial employment; 1 for health reasons.

At present there are 23 vacancies for Female Student Nurses, and 7 vacancies for Male Student Nurses.

There are also the following posts to be filled:—

- 11 vacancies for Cooks; 1 Assistant Laundry Maid;
- 2 Farm Hands; 1 Van Driver; 1 Senior Cobbler; 1 Female Clerk.

Throughout the year Classes have been maintained for the R.M.P.A. and the N.G.C. Examinations. Five Female Nurses and one Male Attendant obtained their Final R.M.P.A. Certificate in May, 1947; in November, 1947, one Male Attendant and one Female Nurse obtained their R.M.P.A. Final Certificate. One Male Student Nurse passed the Preliminary Examination of the G.N.C. in October, 1947. The May Candidates were those trained by Mrs. Pile, and the October Candidates were trained by Miss H. Daines.

Activities

Throughout the year entertainment for the Patients and Staff has been maintained with weekly dances, parties, concerts and other forms of amusement.

Physical Training for male patients has been organised by Mr. Whitwell and Miss B. Wood now holds a weekly Physical Training Class for the older girls.

The Scouts have unfortunately had to be disbanded; it has been found quite impossible to renew their equipment, which has completely worn out.

A large number of patients still continue to go—individually or in groups—to cinemas in Alderley Edge, Wilmslow, etc.

The Football Team has completed a Season with the Sunday School League, but has not been very successful—practically the entire first team has at some time or another suffered minor injuries, so that we could rarely turn out a first class team.

The second Annual Camp at Abergele proved a success and was enjoyed by patients and staff. The weather was variable, but all profited by their holiday.

Sunday Services have been continued throughout the year by the Rev. S. Key and the Rev. H. Thompson, also by the Rev. K. Jinks, who took over the Chaplaincy in September, 1947, when Mr. Thompson left the district.

The Farm

The Farm, on the whole, has had a fairly good year. The value of milk, eggs, potatoes, etc., supplied to the Homes during the year is £2,817. 7s. 4d.; farm produce sold, £2,554. 5s. 2d., totalling £5,371. 12s. 6d.

The Gardens

The value of garden produce supplied to the Homes and Farm from 1st January, 1947, was £2,128. 4s. 6d.. including garden produce sold (surplus) to the value of £195. 14s. 4d.

Bostock Barns Farm

This Farm continued throughout the year with the training of patients, and has shown considerable agricultural improvement during the past twelve months. At present three patients are employed on licence at the Farm; one patient was discharged on licence to another farm a month ago. A good supply of T.T. milk has been maintained throughout the year.

Special School

The average attendance of the Special Schools has been 90 per cent.

Miss Kiddle continues to run the School wisely and well, but it is handicapped by shortage of teachers, there being two vacancies on the Staff at the time of this Report.

Individual Intelligence Tests have been carried out by Miss Kiddle independently of the Medical Superintendent, and a close correlation of the findings has taken place.

Night School

The adult Night School has been continued throughout the year by Mr. Preston and Mrs. Robinson.

From personal examination of the patients attending this school, many show a marked improvement in general knowledge as well as in ordinary school work.

Laundry

The number of patients employed in the Laundry is 25, and a high standard of work has been maintained.

Tradesmen

The Electrician, with one patient, throughout the twelve months has carried out the maintenance work as well as the wiring of the new Cinema.

The Painter and the Assistant Painter, with one patient, have continued routine maintenance work, but these men find it impossible to catch up with the arrears of painting required throughout the Homes.

The two Joiners have carried out maintenance work throughout the year.

The Brush and Handicraft Shops continue to do well under Miss Wood. During the past year 770 new brushes have been made, and 921 repairs to brushes and doormats is recorded, whilst in the Handicraft Department 509 articles were made.

	£	s.	d.
Value of Handicraft goods for Homes and repairs	74	8	2
Repairs for Institution	58	9	4
Value of new brushes to Homes	42	0	6
Sale of brushes	11	2	3
Sale of Handicrafts	56	5	0
	<hr/>		
	£242	5	3
	<hr/>		

The Woodwork Department, owing to the shortage of materials, has been able to only repair furniture during the past twelve months.

The Bricksetter and two patients have carried out maintenance work during the year.

The Plumber and Assistant Plumber with one patient have carried out maintenance work and have installed a number of new baths in the Homes.

The following work has been done in the Tailor's Shop during the past twelve months:—

	£	s.	d.
230 new garments, including overcoats, trousers, working coats, suits, and suits for male nurses	353	13	6
2,581 articles have been repaired during the year	258	12	0

The following work has been done in the Cobbling Shop during the past twelve months:—

	£	s.	d.
Institution repairs (patients) 10,838— value	1896	13	0
Institution repairs (staff) 246—value ...	49	4	0
New work supplied to Homes, 100—value	72	10	0
	<hr/>		
	£2018	7	0
	<hr/>		

Official Visits

The Commissioner of the Board of Control, Mr. J. C. Rawlinson, visited the Homes on the 17th April, 1947.

Conclusion

Throughout the year the normal running of the Institution has been maintained satisfactorily. The shortage of Staff, however, is serious, throwing heavy hours of duty on existing Staff.

The Cinema slowly reaches conclusion and may be in operation about the middle of 1948.

The Huts for adolescent patients have not yet materialized and the grouping of patients into age and intelligence, so long desirable, cannot be put into operation.

"The Moss" Nurses' Home is not yet furnished and the Warford Lodge Nurses' Home is not completed.

Staff houses which are much in demand by the married Staff still appear to be in the remote future.

Throughout the entire Institution a considerable amount of maintenance work is falling into arrear owing to the shortage of material and of labour.

Much painting, fencing, re-surfacing of roads, etc., is becoming a matter of urgency, for only the minimum of external work has been carried out since 1939, and the consequent deterioration is becoming evident.

In conclusion, I wish to offer my thanks for the co-operation I have received from the Members of the Cheshire County Council, the Mary Dendy Homes Committee, and the County Officials.

I also wish to record my appreciation of the very loyal co-operation which my Staff have given me during the past year.

REPORTS OF THE MEDICAL SUPERINTENDENT OF WRENBURY HALL, NANTWICH

Quarterly reports have been submitted to the Wrenbury Hall Advisory Committee as usual; for statistics of patients treated see p. 43.

Section XII.-Cancer

On 1st August, 1946, the Council's arrangements in accordance with their scheme under the Cancer Act, 1939, came into force and continued until 5/7/48. These were as follows:—

- (1) The Council will provide all necessary facilities so that every person in the County who is, or is suspected to be suffering from cancer may obtain advice, and that every such person who is found to be suffering may obtain adequate treatment. In particular the Council will provide the facilities set out in the following paragraphs.
- (2) The Council will, by agreement with the Liverpool Cancer Control Organisation (hereinafter called the "Organisation") and with the Christie Hospital and Holt Radium Institute, Manchester (hereinafter called the "Christie Hospital") provide from the resources of the Organisation and of the Christie Hospital the appropriate treatment for all persons in the County suffering from cancer.
- (3) The Council will provide facilities for consultation and treatment at the following Hospitals co-operating with the Organisation and with the Christie Hospital:—
 - (A) *Hospitals Co-operating with the Organisation.*
 - (i) *Hospitals at which all forms of treatment will be provided:*

Chester Royal Infirmary.
 Liverpool Radium Institute and
 Royal Liverpool United Hospital.
 - (ii) *Hospitals at which Surgical or Palliative Treatment will be provided:*

Chester City Hospital.
 Clatterbridge (County) General Hospital,
 Bebington.
 Royal Liverpool United Hospital (all
 branches).
 The Women's Hospital, Liverpool.
 The Liverpool Eye, Ear and Throat Infirmary.
 The St. Paul's Eye Hospital, Liverpool.
 The Royal Liverpool Children's Hospital.
 Liverpool City Hospital (Smithdown Rd.).
 Liverpool City Hospital (Broadgreen).
 Liverpool City Hospital (Walton),

Liverpool City Hospital (Belmont Rd.).
 Liverpool City Hospital (Mill Rd.).
 Bootle General Hospital.
 Victoria Central Hospital, Wallasey.
 Birkenhead General Hospital.
 Birkenhead Municipal Hospital.
 Birkenhead and Wirral Children's Hospital.

- (iii) *Hospitals at which facilities for consultation, diagnosis and Medical Observation after treatment will be provided:*

Wallasey Cottage Hospital.
 Prince Edward War Memorial Hospital,
 Rhyl,
 and all those Hospitals listed under (i)
 and (ii) above).

- (iv) Any other Hospital or Hospitals which, for the provision of any or all of the above facilities may, with the approval of the Ministry of Health, agree to co-operate with the Organisation.

- (B) *Hospitals co-operating with the Christie Hospital.*

- (i) *Hospitals at which Radio-therapy and all forms of treatment will be available:*

Christie Hospital and Holt Radium
 Institute, Manchester.

- (ii) *Hospitals at which Surgical or Palliative Treatment will be provided:*

West Park (County) General Hospital,
 Macclesfield.

Warrington Infirmary.

Ashton-under-Lyme District Infirmary.

and (as a Preliminary Diagnostic Centre
 only)

Crewe Memorial Hospital.

- (iii) *Hospitals at which facilities for consultation, diagnosis and medical observation after treatment will be provided:*

All those Hospitals listed under (i) and
 (ii) above.

- (iv) Any other Hospital or Hospitals which for the provision of any or all of the above facilities may, with the approval of the Ministry of Health, agree to co-operate with the Christie Hospital.

- (4) The Council will arrange for the attendance of consultants at any of the above places either with themselves or through the medium of the Organisation or the Christie Hospital as the case may be, and at such times as may be necessary in order to meet individual needs.
- (5) The Council will arrange with the approval of the Ministry of Health for accommodation to be available for such patients as require nursing and palliative treatment in the last stages of irremediable disease.
- (6) The Council will make arrangements through the Organisation or the Christie Hospital, as the case may be, for the transfer of such patients as require highly specialised treatment to such special centres as are or may be approved by the Ministry of Health.
- (7) The Council will, by agreement with:—
 The Liverpool Cancer Control Organisation,
 The Christie Hospital and Holt Radium
 Institute, Manchester,
 arrange for the examination of pathological specimens in all cases where such examination is considered necessary for purposes of diagnosis and treatment, and will collaborate with the Organisation or the Christie Hospital, as the case may be, in the maintainance of Pathological Registers including such specimens.
- (8) In addition to the general arrangements set out above, the Council will provide for the diagnosis and treatment of any individual case at such Hospital or other Institution as the Minister may approve.

The following figures show the number of deaths from Cancer in the County area for the last ten years.

	Aggregate of		
	Urban Areas.	Rural Areas.	Total.
1938	660	270	930
1939	1004	224	1228
1940	978	277	1255
1941	1037	268	1305
1942	980	250	1230
1943	1104	248	1352
1944	1117	283	1400
1945	1126	286	1412
1946	1160	299	1459
1947	1173	294	1467

Section XIII.-Water Supplies, Sewerage and Sewage Disposal

Owing to the shortage of building labour and materials, and to the economic situation, expenditure on works of water supply, sewerage and sewage disposal is still restricted by the Ministry of Health. Schemes are being prepared and submitted for loan sanction—a few have reached the Public Inquiry stage—but sanction to proceed with the work is limited to schemes of urgent necessity. As regards rural sewerage schemes which qualify for a Government grant under the Rural Water Supplies and Sewerage Act, 1944, Circular 87/47, issued by the Ministry of Health in May, 1947, informed local authorities of the policy and procedure which is to be adopted. Local Authorities are asked to limit their first programmes to schemes where groups of some twenty or more houses, supplied or likely to be supplied, with mains water, are sufficiently concentrated to enable sewers and sewage disposal to be provided at a reasonable cost, or sanitary conditions are such as to call for immediate attention, or new housing development during the next few years will bring areas within either of the foregoing categories. Straight-forward schemes on these lines, at present-day prices, will not exceed £50 for each property likely to be connected to the sewers; more complicated schemes may cost as much as £100 per house on the same basis. In exceptional cases the cost may be as much as £120 for each house. As a general rule, the Ministry will not, for the present, approve schemes for immediate execution if the cost exceeds these figures.

During the year the following schemes were submitted to and approved by the County Council for contributions under the Rural Water Supplies and Sewerage Act, 1944:—

Bucklow Rural District.—Parish of Bollington. Works of Sewerage costing £2,838.

Parish of Millington. Works of sewerage costing £2,770.

Chester Rural District.—Pipers Ash. Extension of sewers costing £5,100.

Parish of Christleton, Plough Lane and Brown Heath. Extension of sewers costing £3,000.

Parish of Saughall. Works of sewerage costing £27,000.

Approval has been given to the first stage of this scheme being proceeded with subject to the remainder of the parish, together with the adjacent parish of Mollington, being completed within two years. A Public Inquiry into application for loan sanction was held on the 14th October, 1947.

Congleton Rural District.—Village of Holmes Chapel.

Extension of sewers in Manor Lane costing £3,280. Approval has been given subject to the extension of the sewage works which are seriously overtaxed.

Parish of Odd Rode. Works of sewerage in the townships of Mount Pleasant and Fir Close. Mow Cop, and extensions to the Odd Rode Sewage Works, costing £16,000. This scheme was sanctioned in July, 1939, but was held up by the war.

Northwich Rural District.—Parish of Delamere. Works of sewerage for the protected area adjacent to Eddisbury borewell, at an estimated cost of £14,025. Approval has been given to the first stage subject to the full scheme being completed within five years.

Runcorn Rural District.—Parish of Suaton Weaver. Works of sewerage and sewage disposal costing £15,256. A Public Inquiry was held into an application for loan sanction on the 8th March, 1947.

Tarvin Rural District.—Village of No Man's Heath. Works of sewerage and sewage disposal costing £1,270. A Public Inquiry into an application for loan sanction was held on the 20th May, 1947.

Parish of Tattenhall. Extension of a sewer in Rocky Lane. Cost £340. Extensions of water mains in the parishes of Broxton, Burwardsley, Clotton Hoofield, Duddon, Edge, Foulk Stapleford, Hampton, Huxley, Iddenshall, Kelsall, Malpas, Mouldsworth, Newton-by-Tattenhall, Tarvin and Tattenhall. Total cost £22,107.

Marple Urban District.—Works of water supply for the parishes of Ludworth and Mellor, including a bulk supply from Stockport Corporation to supersede the existing springs supply which are unreliable in quantity and quality, new covered reservoir, and covers to existing reservoirs, at an estimated cost of £41,600.

Water supply in the Macclesfield area.

Conferences were held in May and September, 1947, between the County Council, Macclesfield Borough Council, Macclesfield Rural District Council and Bollington Urban

District Council to consider the question of the water supply in the Macclesfield area. The Borough supply is sufficient to meet development in the Borough for the next ten years; after that period further supplies will be necessary. Bollington have fifty per cent. margin of supply over demand, but further supplies will be needed in the event of considerable overspill population into the district. Subject to the completion of the Pott Shrigley borewell there is no immediate urgency in the water supply as regards the Rural District. Further consideration of this matter has been deferred.

Water supply in the Wirral Peninsula.

In view of the threat of shortage of water in the Wirral Peninsula, and the consequent effects on existing and projected industrial development, the Minister of Health, towards the end of 1947, instructed one of his Engineering Inspectors to carry out a detailed investigation of the existing supplies in the area and of measures for providing additional supplies. A full report on these matters, which was completed in August, 1948, shews that there is a serious risk that the total demands of the area will soon exceed available supplies, and that early action by water undertakers will be necessary if this risk is to be obviated. Interim measures are suggested, whereby a considerable increase of the total supply for the area might be obtained at a reasonable cost within a relatively short period of time; and that while a new supply is being developed the undertakers' Water Engineers should consider together ways and means of meeting the ultimate estimated requirements of the undertakings. The report also contains suggestions for amalgamations of some of the undertakings.

The Minister of Health has called attention to the serious position which the report has revealed and the need for speedy action by the water undertakers.

Mersey Area (Conservation of Water) Order, 1947.

A Ministry of Health Inquiry was held at Warrington on the 4th November, 1947, preliminary to the making of an Order by the Minister of Health under Section 14 of the Water Act, 1945, defining certain districts or parts of districts in the Counties of Chester, Lancaster and Flint, in which special measures for the conservation of water are necessary in the public interest.

The purpose of the Order is to control the abstraction of underground water and to prevent waste. No person may construct any well or borehole for the purpose of abstracting underground water, unless he has obtained a licence from the Minister.

The Cheshire and North Shropshire Area (Conservation of Water) Order, 1948.

The Minister of Health proposes to make a similar Order to apply to certain districts and parts of districts in the County of Chester which are not included in the Mersey Area (Conservation of Water) Order, 1947, together with certain districts in North Shropshire.

Mobberley Brook Sewerage Schemes.

At a conference held in August, 1947, between the County Council, the Urban Councils of Alderley Edge, Bowdon, Hale, Knutsford, Wilmslow, and the Rural Councils of Bucklow and Macclesfield, it was resolved that the major and alternative schemes for joint works of sewage disposal in the Mobberley Valley be abandoned and that the several local authorities concerned proceed with their own particular sewage problems.

Crewe Borough and Nantwich Rural District.

A conference has been held between the County Council, Crewe Corporation and the Nantwich Rural District Council to consider a scheme for joint works of sewage disposal which will supersede three existing works serving Crewe Borough and the parishes of Haslington, Shavington, Willaston and Wistaston in the Rural District.

Fender Valley Sewer, Wirral.

A Ministry of Health Inquiry was held at Birkenhead on the 2nd April, 1947, into an application by the Birkenhead Corporation for sanction to borrow £151,579 for the duplication of a section of the Fender Valley Sewer and the construction of Storm Tanks. Contributions towards the cost of the works are being made by the Bebington Corporation and the Wirral Urban Council in respect of parts of these districts which drain into the Fender Valley Sewer.

At the outbreak of war in 1939 a number of sewage works were operating at full capacity. Owing to increased flows of sewage these are now overtaxed. No extensions or improvements of any importance have been carried out to sewage works excepting in one instance—Bredbury Sewage Works—where improvements in sludge disposal costing £4,327 were sanctioned after a Public Inquiry, held on the 2nd January, 1947.

APPENDIX OF STATISTICS

1947

TABLE A.

Deaths by Causes.—Sex—
 Each County District.

TABLE B.

Deaths by Causes.—Sex; Age—
 ■■■■ Urban Districts, Rural Districts.

TABLE C.

Statistical Summary of enumerated and estimated population, area, births and deaths, birth rate and death rate, deaths of infants, infantile mortality, deaths from each of principal zymotic diseases, corresponding zymotic death rate, for each County District.